

2.50

SPECIAL SUPPLY CATALOG

A GREAT MONEY-SAVER
FOR THRESHERMEN

CANADIAN

EDITION.

19

07



PRICES F. O. B. TORONTO,
WINNIPEG, REGINA AND CALGARY.

J.I. CASE THRESHING
MACHINE COMPANY
RACINE, WIS., U.S.A.

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General Information.

TERMS.—The prices quoted in this catalogue are for **Cash with Order**, from which rule we will make **No Exception**. Prices are subject to change without notice.

REMITTANCES.—Send money by bank draft, registered letter, express or postal money order. The cost of sending money must be paid by the purchaser.

GUARANTY.—All goods in this catalogue are guaranteed to be as represented, and we will cheerfully exchange, or refund the purchase price, as the customer may direct, on anything found to be otherwise than as represented.

HOW TO ORDER.—Always use our printed form of order blank if possible (see last pages). State plainly in your order your post-office address, where you wish goods shipped, and whether by mail, express or freight.

ORDERING FROM LOCAL AGENTS.—Thresher Supplies can be ordered through any of our local agents, who, as a rule, carry supplies in stock, or who will be pleased to order them for you. Kindly bear in mind, however, that the prices quoted herein are for **Cash with Order**, and you must not be unreasonable enough to expect the local agent to grant you credit on Thresher Supplies at these Cash with Order prices, as the agent must settle with us in cash for these supplies to get the benefit of our cash prices himself. In the event that credit is desired, 10 per cent. additional will be added to the prices quoted herein. It will also be necessary for the local agent to add actual freight or express charges to these prices, unless you order him to have goods shipped in your own name.

SHIPMENTS.—Our intentions are to carry a large stock of Thresher Supplies at each of our branch houses for the convenience of our customers. Oakland, Calif.; Portland, Ore.; Spokane, Wash.; Lake Charles, La.; Amarillo; Dallas, Tex.; and Denver, Colo.; Branch Houses will collect **Racine** rate of freight as advance charges on all Pumps, Hose, Boiler Tubes and Drive Belts. Canadian Branch Houses will collect freight and duty on goods. All orders should be directed to the J. I. Case Threshing Machine Company at our nearest branch house (see list of same on last page of cover), or direct to Racine, as desired.

TRANSPORTATION.—Freight, express or postage must be paid by the purchaser. Sufficient postage must accompany order, otherwise goods will not be sent by mail. We will promptly return surplus postage.

Postage on merchandise is one cent per ounce or fraction thereof, or sixteen cents per pound.

TELEGRAMS.—Customers must prepay telegrams. Telegraphic orders will not be sent by mail. Use the cipher, but be very careful to spell the word as it is given in the book.

Endless Rubber Belts.



The celebrated Lion Brand of rubber belting has given eminent satisfaction to our thresher customers. It is made of extra heavy belt duck, of the finest quality, together with the best of rubber; and is fully guaranteed in every respect.

Endless belts require three feet to make the splice, therefore these belts will measure three feet short; we charge for full length.

150 feet 7 inch 4-ply rubber.....	\$58.50*
150 feet 8 inch 4-ply rubber.....	67.50*
150 feet 7 inch 5-ply rubber.....	71.50*
150 feet 8 inch 5-ply rubber.....	83.00*

Case Endless Thresher Belts.

On account of so many cheap imitations of the Standard Brands of stitched Canvas Belting, we have decided to furnish, under our own brand, the **Case Thresher Belt**. These belts are made especially for us and from our own specifications, by one of the oldest and most reliable manufacturers of this class of goods. We have had years of experience in handling canvas belting, which renders us particularly competent to judge what is necessary in making a belt so that it will meet all the requirements of the thresherman.

Patented machines are used for stitching and each stitch is locked in the center of the belt, which prevents ripping should threads be cut.

A 6 inch belt has 23 rows of stitching. 7 inch belt has 27 rows of stitching. 8 inch belt has 31 rows of stitching.

The matter of waterproofing is one to which we pay great attention; the ingredients used are entirely free from adulteration and in no way injurious to cotton duck, yet will completely fill the pores and keep the belt pliable and render it absolutely waterproof.

Manufacturer's Guarantee.—"Each and every belt furnished under this brand is fully guaranteed (when properly treated) against defects in either material or workmanship."

Any belt claimed defective must be returned to Toronto, Ontario, for inspection, freight prepaid, within sixty days after first being used by operator.

Any belt showing excessive wear of chafing on the edges will not be allowed under any circumstances, and agents will in no case send in such belts.

Cipher.

Quab'	120 ft. 6 in. 4-ply....	\$26.00*
Quack	120 ft. 7 in. 4-ply....	30.50*
Quadrified	150 ft. 6 in. 4-ply....	32.50*
Quaff	150 ft. 7 in. 4-ply....	38.00*
Quagg	150 ft. 8 in. 4-ply....	47.00*
Quacked	160 ft. 8 in. 4-ply....	50.00*
Quads	150 ft. 7 in. 5-ply....	50.00*

Cipher.

Quafted	150 ft. 8 in. 5-ply....	\$57.00*
Quailer	160 ft. 8 in. 5-ply....	60.00*
Que	150 ft. 7 in. 6-ply....	58.00*
Queda	150 ft. 8 in. 6-ply....	66.50*
Quaint	160 ft. 8 in. 6-ply....	71.00*
Quaban	160 ft. 9 in. 5-ply....	68.50*
Quaboo	160 ft. 9 in. 6-ply....	80.00*

***NOTE.**—Purchasers of these goods from our branch at Portland, Spokane, Oakland, Lake Charles, Amarillo, Dallas or Denver will be charged freight from Racine in addition to these prices.

Canvas Belting on the Roll.

Under this head we supply the same class of belting as furnished in the "Case Endless Belts." The prices, we believe, are sufficiently attractive to procure an order from any one desiring to purchase other lengths or sizes than listed as endless belts.

The following widths only will be furnished:

4-ply.	1½ in.	2 in.	2½ in.	3 in.	4 in.	5 in.	6 in.	7 in.	8 in.	10 in.	12 in.
Per Foot	\$0.06	.08	.10	.12	.16	.20	.24	.27	.31	.38	.46
6-ply.											
Per Foot .....									.54	.65	

Case Waterproof Belt Dressing.

Will never dry up nor turn racid; is not affected by drip, steam or moisture. Is used on **Stitched Canvas** and **Leather Belts**, and if thoroughly applied, renders them soft, pliable, and waterproof; prevents slipping and greatly increases their driving power and durability.

5 Pound Can.....	\$1.75	10 Pound Can.....	\$3.50
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Above are Cash with Order Prices. Add 10 per cent. on time sales.

Leather Belting.

The **Leather Belting** quoted in this catalog is the same grade as that used on "Case" machinery. It is of the best quality of oak-tanned, 16 ounce to the square foot. We carry only one grade, as we consider the cheaper grades a poor investment for the Thresherman. The following widths only are carried in stock, and upon which we are prepared to make these extremely low prices:

	1½ in.	2 in.	2½ in.	3 in.	4 in.	5 in.	6 in.
Per Foot	\$0.13	.17	.24	.31	.40	.48	.60

Leather Covering for pulleys, sold in the following widths only:

	2¼ in.	4½ in.	5¼ in.	6¼ in.	8 in.	9 in.
Per Foot	\$0.14	.29	.35	.39	.44	.56

Rubber Belting in the Roll.

This class of belting can be used in all kinds of weather, and on account of its smooth metallic surface, the contact between the pulley and the belting is more perfect, thus obtaining the maximum power.

Only the following sizes will be furnished by us at these low prices:

3-ply.	1½ in.	2 in.	2½ in.	3 in.
Per Foot	\$.07	.10	.12	.14
4-ply.	3 in.	4 in.	5 in.	6 in.
Per Foot	\$.17	.23	.28	.35
			.40	

Cut Rawhide Lacing.



The "Case Special" brand of cut rawhide lacing is warranted in every way a first-class lace leather, and is the best that is put on the market. ¾, ¾ or ½ inch strings are sizes generally used by threshers.

Put up in bundles of 100 feet, cut full length of hide.

Cipher.

Abarrar	Width ¾ inch, per 100 feet.....	\$1.10
Abarraz	Width ¾ inch, per 100 feet.....	1.30
Abarrera	Width ½ inch, per 100 feet.....	1.65

Clout Nails.

This is a style of nail that is difficult to obtain from local hardware stores and inasmuch as it is in common use on all threshing outfits, we carry the following sizes for the convenience of our customers.

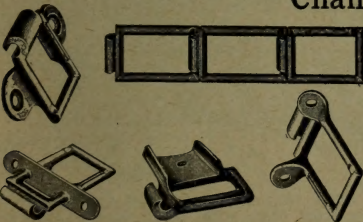
¾, ¾, 1, 1½, 1¾, and 1½ inch, price (per lb.).....\$0.15

Nails for Covering Pulleys.

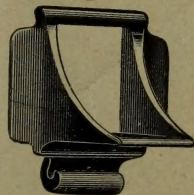
We have made especially for this purpose a ¾ inch oval head lining nail and double annealed.

Priceper lb., \$0.20

Chain Belting.



S-5. A-2-55. Say R. or L. S-1.



45-C-38.

Cipher.			
Abanto	No. 32.....	Per link.	\$0.01
Abductor	No. 35.....	Per link.	.01
Abarcas	No. 42.....	Per link.	.01½
Abet	No. 45.....	Per link.	.01½
Abard	No. 52.....	Per link.	.02
Abardor	No. 55.....	Per link.	.02
Abroaut	No. 55, Steel.	Per link.	.05
Abrogar	S-1	Per link.	.02

Cipher.			
Abrojal	S-5	Per link.	\$0.02
Abrojo	K-1-35	Per link.	.02
Abromado	K-1-45	Per link.	.02
Abronks	K-1-55	Per link.	.03
Absceso	A-2-55 Right.....	Per link.	.03
Abst	A-2-55 Left.....	Per link.	.03
Abrooms	45-C-38	Per link.	.03
Abrosor .....	.072	Per link.	.04

Above are Cash with Order Prices. Add 10 per cent. on time sales.

1209627



Suction Hose.

Rubber Hose.



Wire-Lined Suction Hose.

This hose, on steel wire, is the style of suction hose generally used by the threshermen. It is of special quality. The spiral wire is covered by an interior tube of rubber which prevents the wire from rust and at the same time makes a "smooth bore." This is especially to be desired as it removes all possibility of material accumulating between the spirals and clogging the hose.

Cipher.

Grateful	20 ft. length, 2 inch inside diameter, weight 30 lbs.....	Each, \$3.00
Abismal	25 ft. length, 2 inch inside diameter, weight 33 lbs.....	Each, 9.50
Graves	25 ft. length, 1½ inch inside diameter, weight 25 lbs.....	Each, 7.75
Granule	15 ft. length, 1 inch inside diameter, weight 15½ lbs.....	Each, 5.00
Greavor	10 ft. length, 1 inch inside diameter, weight 6½ lbs.....	Each, 3.50
Greibers	4 ft. 6 inch length, 1 inch inside diameter, weight 3 lbs.....	Each, 1.50
Garune	5 ft. 6 inch length, 1 inch inside diameter, weight 4 lbs.....	Each, 2.00

Cipher.

Discharge Hose for Tank Pump.

Abismales.....	10 ft. length, 1 inch inside diameter, weight 4 lbs.....	Each, \$2.00
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Cipher.

Sprinkling Hose for Engine.

Graphic....	10 ft. length, ½ inch inside diameter, with nozzle and couplings..	Each, \$1.75
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Hard Rubber Suction Hose.

This class of hose is **not wire-lined**, but from the nature of its construction, is made to withstand severe service. To such customers as desire something better than the ordinary wire-lined suction hose, we recommend this grade of hose even though the first cost is somewhat more, it will prove the cheaper in the end.

We are only prepared to furnish the following sizes, as they represent what are generally used in connection with traction and portable engines:

20 ft. length, 2 inch inside diameter.....	Each, \$13.00
10, 15, 20, 25, 30, 35, 40 and 50 ft. lengths, 1 inch inside diameter.....	Per ft., .36

Cipher.

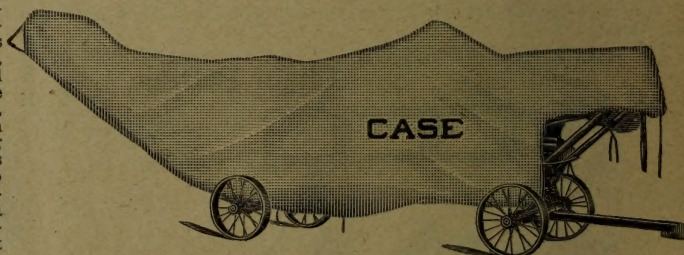
Hose Clamps.

Abitar	No. 619-C. Size for 1 inch Tank Pump Discharge Hose....	Each, \$0.15
Abitas	No. 616-C. Size for 2 inch Tank Pump Suction Hose.....	Each, .20

If ordered sent by mail, add 5 cents for postage.

All our Covers are made from extra heavy, close woven cotton duck, having double lock-stitch seams every twenty-eight in., making a strong and serviceable cover. The edges are re-inforced, stitched and fitted with brass eyelets, having three foot tie ropes spliced in. We wish to call your special attention to the extra flap on the cover, containing 40 square feet of canvas.

Separator Canvas Covers.



In comparing our prices with others, kindly bear in mind that the **Covers** furnished by us are more expensive to make, for the reason that they are fitted with 12 brass eyelets and tie ropes, where others have from four to eight eyelets and no ropes. Our covers are so made that the seams are crosswise in place of lengthwise and for this reason, more impervious to water. The 5x8 foot flap on our covers protect the feeder, which is not provided for in other covers.

Cipher.

Abstruso	No. 1, Cover 16x27½ feet with flap 5x8 feet.....	\$15.00
Abuettio	No. 2, Cover 18x27½ feet with flap 5x8 feet.....	16.00
Aburdo	No. 3, Cover 20x27½ feet with flap 5x8 feet.....	19.00
Abus	Special 12 oz. Cover, 20x27½ feet with flap 5x8 feet.....	27.00

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Case Tank Pumps.

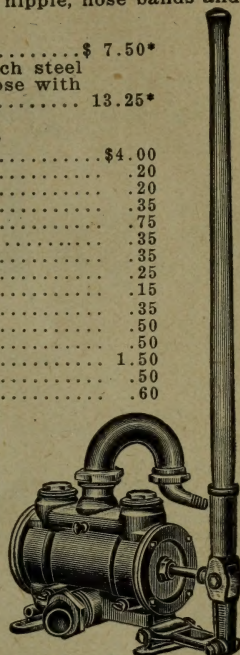
Our Pump has a capacity of 2 bbls. per minute. The valve seats are of brass and are practically indestructible. The check valves are metal, faced with rubber and so arranged that by removing nut on top of pump anyone can replace the rubber facing in a very short time. The handle can be attached to either end of pump.

Our price of this pump includes strainer for suction hose, hose nipple, hose bands and hose attachment.

Cipher.		
Brasos....	Price for pump only, weight 96½ lbs.....	\$ 7.50*
Brass....	Price for Pump Outfit complete, including 20 feet 2 inch steel wire-lined suction hose and 10 feet 1 inch discharge hose with nozzle and couplings, weight 130½ lbs.....	13.25*

Case Low Down Tank Pump Repairs.

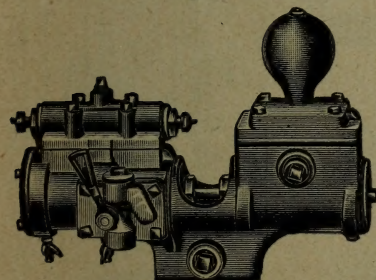
	1-CP.	Base	\$4.00
Aborto	4-CP.	Bucket plate, ¼ in. x 5 in. ....	.20
Abogacia	5-CP.	Bucket plate, ¼ in. x 4 ½ in. ....	.20
Abortar	6-CP.	Brass stuffing nut.....	.35
Abentar	7-CP.	Cap over discharge valve.....	.75
Abocin	8-CP.	Check valve, upper.....	.35
Abono	9-CP.	Check valve, lower, heavy.....	.35
Abobado	10-CP.	Valve seat, brass.....	.25
Abogar	11-CP.	Dip plug .....	.15
Abollon	12-CP.	Union nut for hose attachment.....	.35
Abnegar	13-CP.	Union nut for suction and discharge.....	.50
Abclusion	14-CP.	Hose nipple, suction 2¼ inch.....	.50
Abocar	15-CP.	Gooseneck spout	1.50
Abollar	16-CP.	Hose attachment for discharge.....	.50
Abogada	17-CP.	Oscillating link .....	.60
Abolir	18-CP.	Piston rod, eye.....	\$0.40
Abolezar	19-CP.	Handle socket	1.00
Aborton	20-CP.	Strainer for 2 inch suction hose.....	.75
Abotonar	21-CP.	Hose nozzle, iron, 1 inch.....	.10
Aboveda	22-CP.	Check valve, lower.....	.35
Aboyado	23-CP.	Cylinder head, plain.....	1.00
Aboyar	24-CP.	Cylinder head for stuffing box.....	1.50
Abordar	25-CP.	Check valve, rubber.....	.10
Abordo	26-CP.	Plunger leather .....	.25
Aborrer	27-CP.	Piston rod, ½ in. x 14 in., steel.....	1.00
	33-CP.	Lock nut for piston rod.....	.05
	34-CP.	Pipe connection, 2 inch.....	.50
	35-CP.	Wrench	1.00



The Improved Marsh Steam Pump.

The sizes listed are designed to supply boilers from one to thirty-five horse power capacity. They attach to a bracket on the boiler, a single bolt being used for that purpose.

Description.—The cut shown on page 6 is a sectional view of the Marsh Steam Pump, and shows the steam valve in position, the steam and water pistons, manner of packing, etc. The steam valve is made of brass, and though nicely fitted, moves freely in the central bore of the steam chest. It has no mechanical connections with other moving parts of the pump, but is actuated to admit, cut off and release the steam by live steam currents, which alternate with the reciprocations of the piston. Each end of the valve is made to fit the enlarged bore of the steam chest, and it is due to these enlarged valve heads, which present differential areas to the



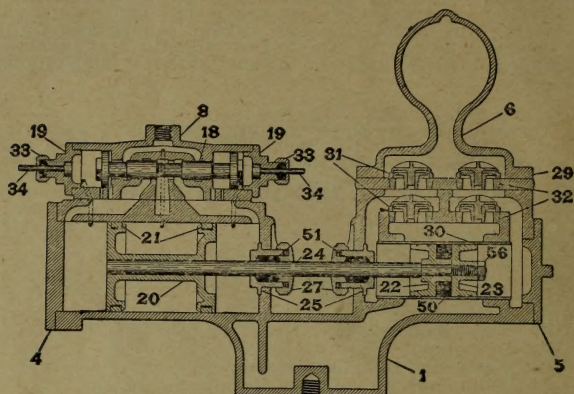
action of steam, and the perfect freedom of the valve to move without hindrance from other mechanical arrangements or parts, that the flow of steam into the pump is automatically regulated. The importance of this feature cannot be overestimated, as the pump is automatically regulated, and can never run too fast to take suction; or should the water supply give out when the throttle valve is wide open, no injury can occur to the moving parts. The steam valve does not require setting. It has no dead center and will always start when the steam is admitted. The steam piston, as shown, is double, and each head is provided with a metal packing ring, the interior space constituting a reservoir for live steam pressure, supplied by the live steam pipe through a drilled hole shown by dotted lines. At each end of the steam cylinder are similar holes leading to each end of steam chest, which, together with the centrally drilled hole and the space between the piston heads, constitute positive means for tripping or reversing the valve with live steam.

	Size.	Gallons Per Hour.	Horse Power.	In. Floor Space.	Lbs. Weight.	Price.
Abusar.	B	200	12	7x12	40	\$15.50*
Abuso.	BB	400	30	8x16	75	18.00*
Serret.	C	500	40	10x22	145	32.00*

*NOTE.—Purchasers of these goods from our branch at Portland, Spokane, Oakland, Lake Charles, Amarillo, Dallas or Denver will be charged freight from Racine in addition to these prices.

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Price List of Extras for the Marsh Steam Pump.



In Ordering, Be Sure to State for B, BB, or C Pump.

Cipher.	NUMBER AND NAME OF PART.	Size "B."	Size "BB."	Size "C."
Lunacy	1 Base or Main Casting	\$7.50	\$14.00	\$22.00
Lunar	4 Steam Cylinder Head	.75	.75	1.25
Lunarian	5 Water Cylinder Head	.75	1.00	1.25
Lunatic	6 Air Chamber	1.00	1.50	3.50
Lunation	8 Steam Chest	3.50	5.00	6.50
Luncheon	11 Side Plate	2.00	3.00	3.50
Lunette	12 Exhaust Deflecting Valve	.50	.60	.75
Lung	13 Exhaust Check Valve	.15	.20	.25
Lungless	14 Exhaust Check Valve Seat	.10	.10	.20
Luniform	15 Exhaust Valve Lever	.20	.25	.30
Lunisolar	16 Exhaust Valve Shoe	.10	.25	.40
Lunistice	17 Exhaust Cap	.25	.40	.50
Lupercal	18 Steam Valve	2.50	4.00	5.50
Lupinite	19 Steam Chest Heads, each	.40	.75	1.00
Lurcation	20 Steam Piston Head	2.00	2.50	3.50
Lurch	21 Steam Piston Rings, each	1.00	1.25	1.40
Lurching	22 Water Piston Head	1.50	1.85	2.35
Lurdan	23 Water Piston Follower	.75	.90	1.15
Lurid	24 Piston Rod	.75	1.00	2.25
Lurken	25 Piston Rod Stuffing Boxes, each	.50	.60	1.00
Luscious	26 Piston Rod Gland Nuts, each	.35	.50	1.10
Lusciousness	27 Water Valve Plate	1.00	1.50	2.00
Lusern	30 Water Cylinder Bushing	1.00	1.50	4.00
Luskish	31 Water Valves, each	.25	.35	.50
Lusoxious	32 Water Valve Seats, each	.40	.70	1.00
Lusory	33 Steam Chest Gland Nuts, each	.15	.15	.25
Lustful	34 Steam Valve Starter Pins, each	.10	.10	.10
Lustily	36 Steam Valve Rings, each	.10	.10	.50
Lustiness	41 Steam Chest, complete	7.00	11.00	15.00
Lustinal	42 Piston, complete	7.00	8.75	12.35
Lutanist	43 Side Plate, complete	3.00	4.50	6.00
Lutation	49 Wrenches, per set	.30	.30	.50
Lute	50 Water Piston Packing, each	.10	.15	.20
Lute	51 Piston Rod Packing, each	.05	.05	.10
Lute	56 Water Piston Jam Nut			.30

The Case Register and Steel Box.

This is our own special design and build. It is oval in shape and the sides are made of No. 18 steel, with $\frac{1}{8}$ -inch Empire steel rod around the top, and has heavy wood bottom. The tally box has lock and key. One-half or one bushel measures can be used in this box.

Cipher.

Safety.....Weight 29 lbs.....Price, \$4.50



Above are Cash with Order Prices. Add 10 per cent. on time sales.

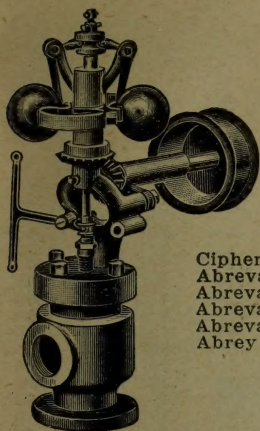
Waters Governor.

We have used this style of Governor for a great many years on all our engines and consider it the best governor on the market for use on Traction and Portable Engines.

The Valve Seats, which are four in number, are all in one casting, which fits the iron body at the ends only, thus providing for free expansion and contraction.

Being constructed in this manner, they can never get out of line, or lose their relative distance from each other. As will be readily seen, this arrangement admits of the seat being easily renewed, if necessary.

This Governor has screw side and flange base.



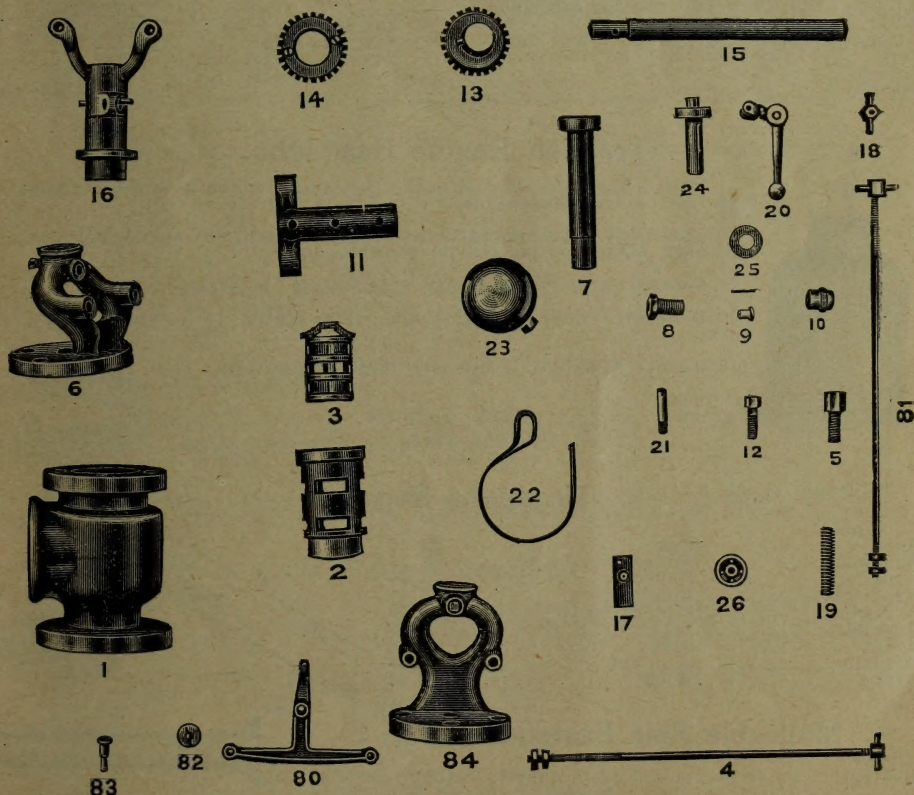
Cipher.

Abrevado	.....Size, 1 1/4 in.; Opening, 1 1/4 in.; Wt. 26 lbs.	...\$19.00
Abrevador	.....Size, 1 1/2 in.; Opening, 2 in.; Wt. 36 1/2 lbs.	... 23.00
Abrevar	.....Size, 2 in.; Opening, 2 in.; Wt. 59 lbs.	... 27.50
Abrevacion	.....Size, 2 in.; Opening, 2 1/2 in.; Wt. 55 1/2 lbs.	... 27.50
Abrey	.....Size, 2 1/2 in.; Opening, 3 in.; Wt. lbs.	... 36.50

Waters Governor Repairs.

Prices on page 8.

Give Size of Governor and Diameter of Lower Flange on Chamber.



Above are Cash with Order Prices. Add 10 per cent. on time sales.

Telegraph Cipher.	No. of Part.	NAME OF PART.	Size of Governor. Retail Price.			
			1½	1½	2	2½
		Letter O.				
Liniment ..	1 O	Valve chamber for governor, 2½-in. opening			\$5.30	...
Liniment ..	1 O	Valve chamber for governor.....	\$3.60	\$4.25	5.30	\$9.00
Linked	2 O	Lining	2.65	2.90	3.40	4.30
Linnet	3 O	Valve for governor.....	.95	1.25	1.75	2.55
Linseed	4 O	Stem with upper and two lower nuts for governor .....	.50	.60	.80	.90
Linsey	5 O	Frame capscrews .....	.15	.15	.25	.30
Linstock	6 O	Frame for governor.....	2.10	2.50	2.70	4.30
Lintel	7 O	Post or stud for governor.....	1.10	1.20	1.30	1.40
Lion	8 O	Stuffing box center.....	.30	.35	.40	.45
Lioness	9 O	Stuffing box follower.....	.10	.10	.15	.15
Lionize	10 O	Stuffing box nut.....	.30	.30	.35	.40
Lipped	11 O	Bracket for governor.....	.85	.95	1.20	1.40
Lippitude	12 O	Bracket cap screw.....	.15	.15	.20	.30
Liquable	13 O	Gear and pin.....	.50	.65	.75	.90
Liquation	14 O	Barrel gear and screws for governor.....	.40	.40	.55	.70
Liquefy	15 O	Shaft for governor.....	.50	.60	.65	.85
Liquid	16 O	Barrel for governor.....	1.50	1.60	1.80	2.00
Liquidate	17 O	Back pieces of 22 O, for governor.....	.10	.15	.15	.20
Liquor	18 O	Top nuts for governor.....	.15	.20	.20	.25
Lisbon	19 O	Spiral springs for governor.....	.08	.10	.10	.15
Lisne	20 O	Arms for governor.....	1.00	1.05	1.40	1.60
Listen	21 O	Arm pins for governor.....	.10	.10	.10	.15
Lister	22 O	Springs for governor.....	.50	.65	.75	.85
Listful	23 O	Balls for governor.....	.70	.75	.85	1.00
Listing	24 O	Top collar for governor.....	.90	1.00	1.10	1.30
Listless	25 O	Steel washer .....	.15	.15	.15	.20
Litany	26 O	Top cap for governor.....	.30	.40	.40	.50
Litar	80 O	Lever .....	.80	1.00	1.20	1.50
Litarge	91 O	Stem and lower nuts.....	.60	.80	.80	1.00
Lite	82 O	Stem collar and screw.....	.30	.50	.50	.60
Litera	83 O	Lever screw .....	.15	.20	.20	.25
Litigio	84 O	Frame	2.60	2.90	4.40	...

Traction Engine Headlight.

This is the C. T. Ham Mfg. Co. Headlight, which is especially adapted for use on traction engines.

The draft is so arranged that the flame will not smoke or blow out in high wind, nor jar out on rough roads.

Case—21¼ in. high, 12 in. wide, 9½ in. in depth.

Reflector—Made of copper and silver plated, 10 in. diameter, 3¼ in. deep.

Burner—Regular locomotive headlight pattern.

Cipher.

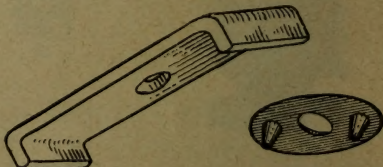
Acena.....Price, complete\$8.75

Weight, boxed for shipment, 34 lbs.



Headlight Repairs.

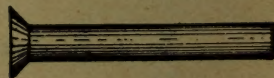
Cipher.		
Arpa	Case	\$3.15
Arpado	Pount and burner.....	3.15
Arpador	Reflector	2.50
Arpar	Pount, only	1.00
Arpegio	Burner, only	2.50
Arpella	Jacket and cone.....	.65
Arpia	Glass .....	.30
Arpista	Chimney .....	.15
Arpon	Wick .....	.03



Malleable Slat Fasteners.

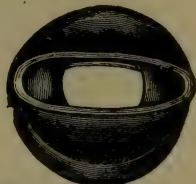
Cipher.

Beatico....Price per pound (21 complete fasteners) as shown by cut.....\$0.25



Above are Cash with Order Prices. Add 10 per cent. on time sales.

Seamless Cold Drawn Steel Boiler Tubes.



Cut Showing Compression Tests.

This tube is an ideal substitute for the Butt and Lap Welded Iron, or steel boiler tubes now in general use, as it overcomes the difficulties and objections in Welded Tubing. Only the highest and best grade of material is used in the manufacture of this tubing, as material of inferior quality cannot be used, owing to the method of manufacture.

The superiority of steel over iron for this purpose manifests itself very materially, when we take into consideration the difference in composition of the material, and the method of making the tubes.

Owing to the physical structure, wrought iron tubes are rolled to shape and then welded; the small tubes being butt welded; the larger ones lap welded. (See illustration of butt welded tube)



Illustration Showing Difficulty Experienced with Butt Welded Iron Tubes.

In our tubes, there is no seam, as they are drawn to shape from soft ingots of steel. For this reason they are all of uniform thickness and there is no liability of the tube splitting as in the case of a welded seam. The tensile strength and the elasticity of the **steel tube** together with its lightness and smooth surface makes it an ideal tube. Considering the quality of the tube we believe that our prices are sufficiently attractive to procure this class of business.

In giving diameter of tubes we quote outside dimensions.

We are prepared to furnish tubes only in lengths and diameter, as follows:

Cipher.	Diam. Inch.	Length Inches.	Price Each.	Cipher.	Diam. Inch.	Length Inches.	Price Each.
Afaca	1 3/4	62	\$1.10*	Afeador	2	90 1/2	\$1.45*
Afagas	1 3/4	67	1.20*	Afear	2	96 1/2	1.55*
Afama	2	60	.95*	Afection	2	100	1.60*
Afan	2	66	1.05*	Afede	2	108 1/2	1.75*
Afanad	2	72	1.20*	Afecta	2 1/2	72	1.40*
Afanoso	2	77	1.25*	Afectad	2 1/2	92	1.75*
Afascal	2	84 1/2	1.30*	Afectar	2 1/2	96	1.85*
				Afectillo	2 1/2	102	1.95*



This Copper Ferrule is 1/8 inch thick, seamless, and made of pure sheet copper.

Cipher.	
Agaba	Price, each, 1 3/4 in. \$0.08
Agallan	Price, each, 2 in. .... .08
Agapas	Price, each 2 1/2 in. .... .10

*NOTE.—Purchasers of these goods from our branch at Portland, Spokane, Oakland, Lake Charles, Amarillo, Dallas or Denver will be charged freight from Racine in addition to these prices.

Case Boiler Compound.

In some sections of the country it is almost impossible to obtain soft water in sufficient quantities for use in steam boilers. For this reason it is absolutely necessary that some compound be used in the water to prevent incrustations, otherwise, serious injury to boilers will result.

After special investigation, on the part of our chemist, we have to offer a compound that prevents the deposit of scale in boilers by converting the impurities into phosphates. These do not settle, as the boiling water keeps them in suspension, consequently no scale is formed.

The amount required depends upon the hardness of the water, but usually, 1/2 to 1 pound to 1,000 gallons is sufficient.

Directions: Dissolve the proper amount of compound in two or three gallons of hot water and feed into boiler through suction of pump or injector.

Acacose.....Price for 23 lb. pail.....\$4.00

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Malleable Fittings for Wrought Iron Gas Pipe.

Cast iron fittings are unfit for steam uses. We offer only the malleable. Sizes of pipe fittings are determined by the size of the pipe over which they fit; thus $\frac{1}{4}$ inch elbows fits over pipe that is $\frac{1}{4}$ inch inside diameter.



BUSHING.



CLOSE NIPPLES



PLUGS



SHORT NIPPLES



REDUCERS



COUPLING R.R.



COUPLINGS R-L.



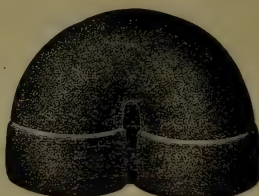
TEES



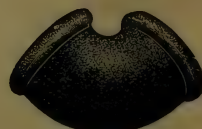
STREET ELBOWS.



UNIONS



RETURN BENDS



ELBOWS

	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	1 $\frac{1}{4}$ in.	1 $\frac{1}{2}$ in.	2 in.	2 $\frac{1}{2}$ in.
Elbows	\$0.04	\$0.05	\$0.05	\$0.06	\$0.09	\$0.11	\$0.15	\$0.23	\$0.40
Street Elbows		.04	.05	.09	.11	.17	.20	.32	...
Tees	.04	.05	.06	.08	.11	.15	.19	.32	.50
Return Bends, Close					.22	.25	.45	.65	...
Nipples, Short	.04	.04	.04	.05	.06	.09	.11	.12	.18
Nipples, Close	.04	.04	.04	.05	.06	.09	.09	.11	.18
Bushings, Reducing 1 Size	.04	.05	.06	.06	.06	.07	.09	.11	.20
Reducers or Reducing Couplings, Reducing 1 Size									
Couplings, Reducing 1 Size	.04	.04	.04	.05	.06	.09	.12	.15	.25
Couplings, Right Hand Thread	.04	.04	.05	.06	.08	.10	.11	.17	.28
Couplings, Right and Left Hand Thread	.04	.04	.05	.07	.09	.13	.16	.21	.32
Unions	.15	.16	.18	.23	.27	.37	.47	.61	1.00
Plugs (Cast Iron)	.02	.03	.03	.04	.04	.06	.07	.10	.15
...per foot,	.04	.04	.07	.08	.09	.13	.16	.22	.35

Only these sizes furnished.

Steam Gauge.

This Gauge is the same as we use on Case Engines, and we consider it to be the best Gauge on the market for use on traction engines. It has a japanned case, nickeled rim, 5 inch black dial with white figures.

Cipher.

Gaoler.....Price, with Brass Siphon and Stop Cock.....\$4.00

Steam Gauge Siphons.

Adapted for traction and portable engines. No steam gauge should be used without a siphon between gauge and the boiler to protect the movement from expansion by heat and to secure water in the spring of the gauge when in use.

Cipher.

Gaper.....Brass Siphon, with Stop Cock, $\frac{1}{4}$ inch Pipe Connection. Each\$1.00

When ordered by mail add 10 cents extra for postage.



Steam Gauge and Siphon.

Above are Cash with Order Prices. Add 10 per cent. on time sales.

The Kunkle, Lock-up, Pop Safety Valve.

This Safety Valve is prompt and efficient. Will not corrode or stick. Entirely free from friction and perfectly automatic. The lever shown on the side of the valve is for raising the valve from its seat to blow out any scale or sediment that might lodge on the seat, or to let off all the steam in the boiler, if desired. The entire valve is made of the best brass steam metal with fine finish.

We furnish an instruction tag with every valve, explaining how to operate the valve. These valves are set to blow off at 130 lbs.

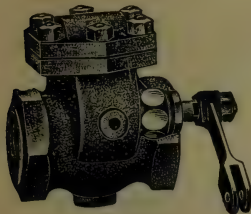
Cipher.	Pipe Connection.	Capacity.	Weight.	Price.
Achar.	1 1/4 in.	6 to 12 H. P.	2 1/2 lbs.	\$5.75
Achinar.	1 1/2 in.	15 to 30 H. P.	3 1/2 lbs.	6.50



Lunkenheimer's Lever Throttle Valve.

This Valve may be operated by the handle or rod attachment, and is so balanced that it can be set at any desired opening. It is constructed of few parts, and therefore will not get out of order. The discs being loose, and provided with ball and socket bearings, wear evenly and make a tight joint. All valves are thoroughly tested before leaving the factory.

Cipher.				
Goldenly	...2	in. Valve, iron	body, weight 19	lbs. \$ 9.00
Goldre	....2	in. Valve, brass	body, weight 10 1/2	lbs. 10.00
Golfo	.....2 1/2	in. Valve, iron	body, weight 31	lbs. 12.00

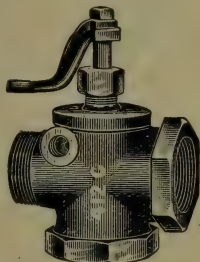


Case Lever Throttle Valve.

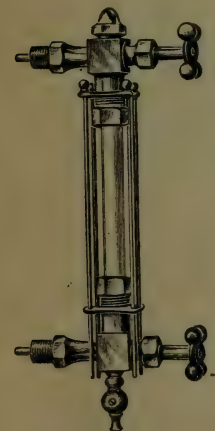
The Valve shown by the illustration herewith, is especially adapted for use on Traction and Portable Engines. It is the ideal of simplicity in construction, consequently cannot get out of order. The body as well as the seat, is made of brass, which insures a steam-tight joint. Owing to the manner of construction it can be opened gradually and avoid the sudden starting of the engine, which is a common complaint with other makes of valves.

Having used this valve on our engines the past four seasons, we are thoroughly convinced that it is the best valve for the purpose on the market to-day.

Cipher.		Cipher.	
Acibes	.....2 inch.....\$8.25	Arboux	...2 1/2 inch.....\$9.50



Glass Water Gauge.



The "Michigan" Self-Cleaning Water Gauges are made extra heavy, of best steam metal, with view of furnishing a gauge that will meet all requirements of the threshermen. All gauges are guaranteed mechanically correct. The self-cleaning device on this water gauge is a very important feature, effectually preventing gauge from becoming clogged or limed up. It has iron handles and is well protected by four polished brass rods. Shanks are threaded same as 1/2-inch gas pipe. Outside diameter of glass, 5/8-inch; length of glass, 8, 10, or 12 inches. Weight 3 1/2 lbs.

Note.—In ordering water gauges for Case engines it is essential that we have the shop number of engine, as different styles have been used, and we cannot be held responsible for errors unless above information accompanies the order.

Cipher.		Price, complete	
Gamester	....	Upper half, each	.....\$2.75
Gammer	.....No. 14 1/2	Lower half, with Drip Cock, each	..... .90
Gammon	.....No. 14 3/4	Brass Rods for Water Gauge, each	..... .15
Gaming	.....No. 14 1/4	Rubber Gasket for Water Gauge,	
Gambling	.....No. 13 1/2	per doz.	..... .20

Genuine Scotch Glass Tubes.

Cipher.			
Gamuno	.....	3-in. Glass Tube, 5/8-in. diam., each	.....\$0.15
Gamut	.....	10-in. Glass Tube, 5/8 in. diam., each	..... .15
Gander	.....	12-in. Glass Tube, 5/8-in. diam., each	..... .15

Spring Gauge Glass Cutter.

Simplest and best tool for cutting glass tubes.

Nickel plated.

Cipher.

GandosPrice each\$0.50
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Above are Cash with Order Prices. Add 10 per cent. on time sales.

Chime Whistles.

The Single Bell Chime Whistle, as seen in the illustration, is unique and handsome in appearance, and produces harmoniously three distinct tones, which blend and form a beautiful musical chord. The sounds given forth from this style of chime whistle, while being more acute and piercing than the common whistle, have not the harsh and disagreeable qualities of the latter and can be heard at a greater distance. Another advantage of this style of construction is that the bell may be raised or lowered to suit varying steam pressures, a feature that is found only on whistles of this manufacture.



Cipher.	Diameter.	Pipe Connection.	Weight.	Price.
Garniture.	3 inches.	$\frac{3}{4}$ inch.	5 $\frac{3}{4}$ lbs.	\$ 8.75
Gapest.	4 inches.	1 inch.		13.75

Plain Whistles.

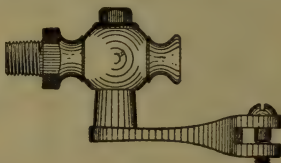
This is a neat, strong, serviceable whistle and especially adapted to use on traction engines. It has a very fine tone.

Cipher.	Diam. Bell.	Pipe Con.	Weight.	Each.
Garous.	2 $\frac{1}{2}$ inches.	$\frac{1}{2}$ inch.	4 $\frac{3}{4}$ lbs.	\$3.50
Garran.	3 inches.	1 inch.	6 $\frac{1}{2}$ lbs.	4.50
Garret.	3 $\frac{1}{2}$ inches.	1 inch.	7 lbs.	6.00



No. 2 $\frac{1}{2}$ E Cylinder Cocks. No. 2 $\frac{3}{4}$ E Brass Elbow.

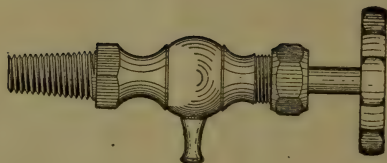
For Cylinder Cocks.



Cipher.	
Earlier. $\frac{1}{4}$ in. Pipe Con., Wt. 9 oz.	
Each	\$0.75

Cipher.	
Earlier. $\frac{1}{4}$ in. Pipe Con., Wt. 2 oz.	
Each	\$0.25

Compression Gauge Cocks.

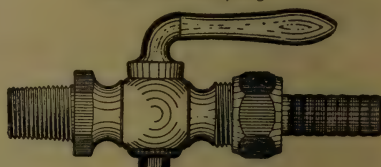
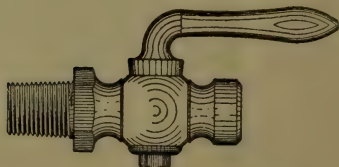


Cipher.	
Galled.....No. 8. For $\frac{5}{8}$ inch, 12 thread tap. Weight 1 lb. each.....	\$0.75
Satanna.....1095 EX. For $\frac{3}{8}$ inch pipe tap, used with cast iron water columns...	.75

No. 13 $\frac{1}{4}$ Stop Cocks.

No. 13 Stop Cocks.

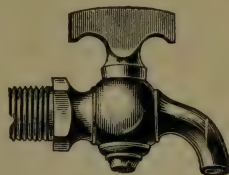
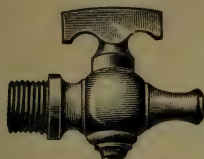
With Hose Coupling.



Gamble... $\frac{1}{2}$ inch Pipe Connection, Weight 13 oz., each.....	\$0.90	Gamblet... $\frac{1}{2}$ inch Pipe Connection, Weight 1 $\frac{1}{4}$ lbs., each.....	\$1.15
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Above are Cash with Order Prices. Add 10 per cent. on time sales.

Air Cocks.



Ciphер.

Galon	$\frac{1}{8}$ -in. Air Cock.....	\$0.25
Galt	$\frac{1}{4}$ -in. Air Cock.....	.35
Gamashes	$\frac{3}{8}$ -in. Air Cock.....	.40
Gama	$\frac{1}{2}$ -in. Air Cock.....	.65

Ciphер.

Galvan	$\frac{1}{8}$ -in. Air Cock, bibb nose.	\$0.35
Galvanic	$\frac{1}{4}$ -in. Air Cock, bibb nose.	.45
Galva	$\frac{3}{8}$ -in. Air Cock, bibb nose.	.50
Galvaz	$\frac{1}{2}$ -in. Air Cock, bibb nose.	.65

Globe and Angle Valves.

These Valves are made from best heavy steam metal and we consider them to be the simplest and best steam valves on the market. When worn in the seat they can be made as good as new by regrinding.

Globe Valves.



Globe Valves.

Ciphер.	Pipe Conn.	Price.
Galloway.....	$\frac{1}{4}$ -inch.....	\$0.40
Gallows	$\frac{3}{8}$ -inch.....	.45
Galoche	$\frac{1}{2}$ -inch.....	.60
Galore	$\frac{3}{4}$ -inch.....	.75
Galsome	1 -inch.....	1.00
Acres	1 $\frac{1}{4}$ -inch.....	1.40
Acornea	1 $\frac{1}{2}$ -inch.....	1.75
Acoro	2 -inch.....	3.00
Acorral	2 $\frac{1}{2}$ -inch.....	4.75



Angle Valves.

Angle Valves.

Ciphер.	Pipe Conn.	Price.	Ciphер.	Pipe Conn.	Price.
Gallot	$\frac{1}{4}$ -inch.....	\$0.40	Gallipot	1 $\frac{1}{4}$ -inch.....	\$1.40
Gallant	$\frac{3}{8}$ -inch.....	.45	Acostad	1 $\frac{1}{2}$ -inch.....	1.75
Greeted	$\frac{1}{2}$ -inch.....	.60	Acostar	2 -inch.....	3.00
Galerite	$\frac{3}{4}$ -inch.....	.75	Acostum	2 $\frac{1}{2}$ -inch.....	4.75
Hexapla	1 -inch.....	1.00			

Swinging Check Valve.

This Check Valve has the Patent Rotating Disc, which works freely, never sticking, and can easily be reground without removing valve from line of pipe. This is done by removing angle plug, inserting a screw driver into the slot in disc and revolving sufficiently to reseal. These valves are reliable, tight and are thoroughly tested and guaranteed.



Ciphер.

Acoven ...	$\frac{1}{2}$ -in. Pipe Connection, Weight $\frac{3}{4}$ lbs. each.	\$1.25
Acrea	$\frac{3}{4}$ -in. Pipe Connection, Weight 1 $\frac{1}{4}$ lbs. each.	1.60
Aequal ...	1 $\frac{1}{4}$ -in. Pipe Connection, Weight 2 $\frac{1}{2}$ lbs. each.	3.25

Plain Check Valves.

This Check Valve is a complete success. The action of this valve is quick and positive. It does not leak, stick nor hammer. A trial will prove its superiority.

Ciphер.

Gaining....	$\frac{1}{2}$ -inch Pipe Con., with Drain Plug, Weight 6 oz., each	\$0.50
Galt.....	$\frac{3}{4}$ -inch Pipe Conn., with Drain Plug, Weight 13 oz., each	1.00



Safety Plug for Crown Sheet.



Ciphер.

Geming.....	$\frac{3}{4}$ -Inch Pipe Thread.....	\$0.30
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Above are Cash with Order Prices. Add 10 per cent. on time sales.

No. 18 $\frac{1}{4}$ "Michigan" Slide Top Glass Oil Cup.

Considered to be the best on the market.

Cipher.

Each.

Garment....Diam. Glass 1 $\frac{1}{2}$ in., Pipe Thread $\frac{1}{4}$ in., Weight 9 oz ...\$0.65

Garnato....Glass for above..... .15



Plain Oil Cup.

Screw Top.

Cipher.

Each.

Aculla.....Diameter 1 in., Pipe Connection $\frac{1}{4}$ in., Weight 3 oz....\$0.25

Adalo.....Diameter 1 $\frac{1}{2}$ in., Pipe Connection $\frac{1}{4}$ in., Weight 7 oz.... .50

Compression Grease Cups.

This Grease Cup is of nicely polished brass and well adapted for threshermen's use. It is unsurpassed where a simple, compact and efficient grease cup is wanted.

Cipher.

Each.

Adaza.....1 oz. cup, $\frac{1}{4}$ in. Pipe Connection, Weight 6 oz.....\$0.35

Adema.....2 oz. cup, $\frac{1}{4}$ in. Pipe Connection, Weight 7 oz..... .50



No. 17 $\frac{1}{4}$ Pin Oiler Grease Cup.

Cipher.
Garboil.

Diameter.
2 inches.

Pipe Con.
 $\frac{1}{4}$ inch.

Capacity.
3 oz.

Weight.
10 oz.

Price.
\$0.90

Case Spring Grease Cup.

The Case is a first-class cast brass, highly finished, automatic Compression Cup, suitable for Engine Bearings, Journals, etc. It is provided with a leather packed plunger, (insuring a tight joint and smooth working) which is so constructed that it is easily raised when cup requires refilling. The spring and plunger are conveniently controlled by thumb nut (A) which is provided with an automatic lock arrangement to prevent its jarring from position on stem. The feed can be regulated to suit the grease used, by means of regulating screw (H). As a high-grade cup the Case has no equal.

Cipher.
Acular.
Acorts.

Inside Diam.
2 inches.
1 $\frac{1}{4}$ inches.

Capacity.
 $\frac{1}{4}$ pint.
.....

Pipe Con.
 $\frac{3}{8}$ inch.
 $\frac{1}{4}$ inch.

Weight.
1 $\frac{1}{4}$ lbs.
8 oz.

Each.
\$1.15
.85



Case Hard Oil.

The melting point of this Hard Oil is not less than 150 degrees Fahrenheit. It will not freeze, clog or gum and is a sure preventive of hot boxes.

A cheap, solid oil is a very poor investment for a thresherman, and we do not care to furnish the cheaper grade to our customers.

Manufactured especially for the J. I. Case Threshing Machine Co., Racine, Wis.



Cipher.

Adiposo 1 lb. can, each.....\$0.25
Adir 3 lb. can, each..... .75
Adiva 5 lb. can, each..... 1.25
Adivino 10 lb. can, each..... 2.35

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Lubricators.

Sight Feed.

Class F.

Single Connections.

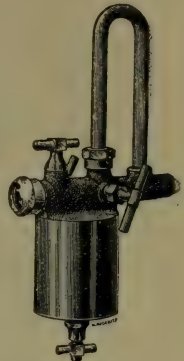
Cipher.	Price each.
Aca .....Capacity 1-3 Pt., Wt. 3 lbs.....	\$3.50
Acabable ....Capacity ½ Pt., Wt. 3½ lbs.....	3.75
Acabado ....Capacity 1 Pt., Wt. 5 lbs.....	5.75
Acabaf .....Capacity 1 Qt., Wt. 8 lbs.....	7.00

Class G.

Single Connections.

Cipher.	Price each.
Acalia .....Capacity ¼ Pt., Wt. 2 lbs.....	\$2.50
Acal .....Capacity 1-3 Pt., Wt. 3 lbs.....	3.25

The "Swift" Single Connection Sight Feed Lubricator.



Swift—Class F. This Lubricator is designed for use on Portable and Traction Engines, where it is desirable to attach with only one connection to Steam Pipe. The body of the Lubricator is all cast in one piece, so there are no joints for leakage, and every cup is tested on Steam Pipe before shipment and warranted in the most positive terms to give the highest satisfaction in every particular, when properly attached and operated.

These Lubricators will feed any Oil, no matter how heavy, and the feed will not chill in Zero weather in the most exposed position. The cup is also provided with an index, which notifies the engineer when cup needs refilling. The Sight Feed Glass can be instantly replaced while engine is running, without any burnt fingers or profanity, and in case an extra glass is not at hand, a coin or metal disc of any kind can be put in, and the cup can be run as a "Blind Feed" until a new glass can be procured or made out of a scrap of ordinary window glass. The above points are found in no other Traction Engine Lubricator on the market, making our cup unequalled for this purpose.

Many thousands of these Lubricators are in use on Portable and Traction Engines. Nothing better has ever been made.

When you buy the "Swift" Lubricator you know positively that you are getting a perfect machine, as every one is Tested on Steam Pipe at Factory, and none are allowed to go out that will not do all we claim for them.

Cylinder Lubricator.

This is a Sight Feed Lubricator of our own special design. It is made of nicely polished brass and is a strong, serviceable Lubricator.

It has a large receiving cup, which acts as a funnel and makes it very easy to fill without wasting.

Cipher.	Diameter 3 in., Capacity 1 pt., Pipe Connection ¾ in.
Golfe.....	with Drip Cock, Weight 5½ lbs, each.....\$5.75
Golmajo.....	Same Style Lubricator, without Sight Feed, Weight 5 lbs., each.....5.00
Gollete.....	Sight Feed Glasses, per dozen......60
Gollizo.....	Sight Feed Gaskets, per dozen......15



Tents.

From the illustration you will observe the style of tent we furnish. The same is made from an extra quality of duck especially adapted for this purpose. All necessary poles, stakes and guys are furnished to make tents complete in every respect.

Where threshermen supply complete crews for operating their machinery these tents make convenient quarters.

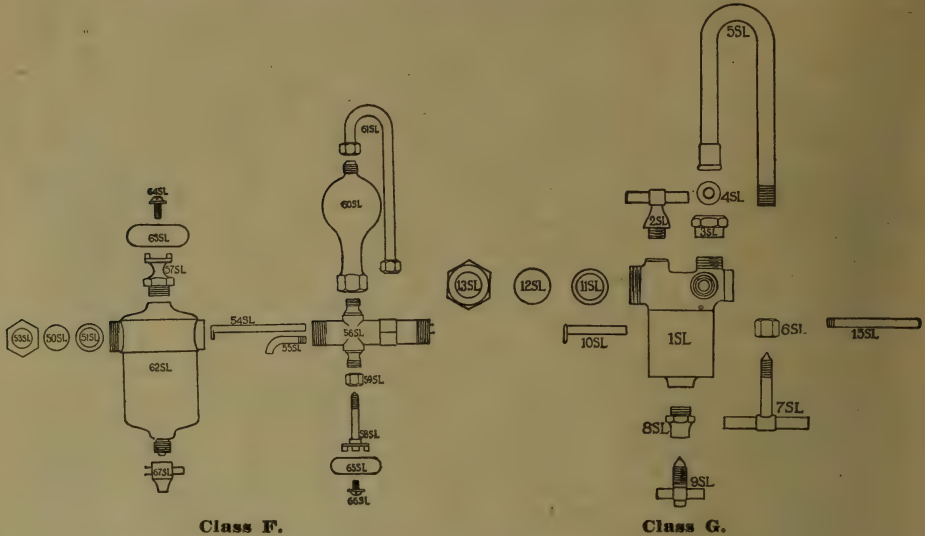
Size of tent, 9½x12 ft., with 3 foot side walls, 7½ ft. center.



Cipher.	Price each	\$20.00
Gazena.....		

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Repairs for Swift Single Connection Lubricators.



The numbers in cut indicate the parts, and should be used in ordering (where cipher word is not used).

Please note that No. 2 Sight Feed Glasses are about $\frac{7}{8}$ inch in diameter, and fit all size Lubricators from $\frac{1}{2}$ pint to $\frac{1}{2}$ pint inclusive. No. 3 Sight Feed Glasses are about 1 inch in diameter and fit all pint and quart Lubricators.

Price List of Repairs, Class F—Give Size of Oiler.

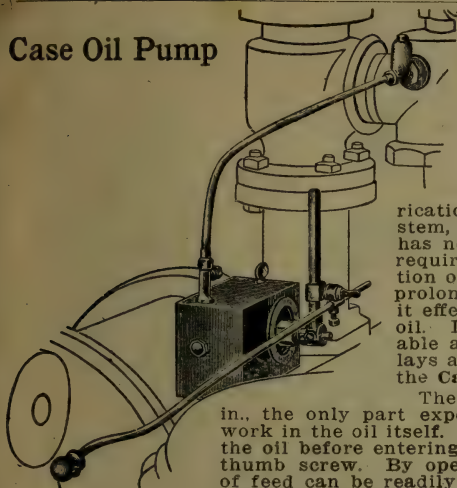
Cipher.	No.	Name.	1-3 Pt.	$\frac{1}{2}$ Pt.	1 Pt.	1 Qt.
Ara	50 SL.	Glasses, per dozen (state Nos. 2 or 3)...	\$0.60	\$0.60	\$0.60	\$0.60
Arabe	51 SL.	Gaskets, per dozen	.15	.15	.20	.20
Arabesco	53 SL.	Sight Feed Nut	.15	.15	.20	.20
Arabias	54 SL.	Sight Feed Tube	.20	.20	.25	.25
Arabiga	55 SL.	Oil Outlet Bent Tube	.10	.10	.10	.10
Aracacha	56 SL.	Single Connection Shank	1.00	1.00	1.50	1.50
Arada	57 SL.	Filling Plug, complete	.40	.40	.50	.50
Arador	58 SL.	Regulating Valve, complete	.30	.30	.40	.40
Aradura	59 SL.	Regulating Valve Nut	.10	.10	.10	.15
Arag	60 SL.	Brass Condenser	.75	.75	1.00	1.00
Arambel	61 SL.	Copper Equalizing Tube	.25	.25	.30	.30
Aramia	62 SL.	Oil Reservoir	1.25	1.75	2.75	4.50
Arana	63 SL.	Wood Wheel for filling plug	.15	.15	.15	.15
Aranata	64 SL.	Brass Washer and Screw for filling plug	.10	.10	.10	.10
Arancel	65 SL.	Wood Wheel for regulating valve	.15	.15	.15	.15
Aranon	66 SL.	Brass Washer & Screw, regulating valve	.10	.10	.10	.10
Arapende	67 SL.	Drain Cock	.20	.20	.20	.20

Price List of Repairs, Class G—Give Size of Oiler.

Cipher.	No.	Name.	Price.
Arbol	1 SL.	$\frac{1}{8}$ Pint Oil Reservoir	\$0.75
Arbolado	1 SL.	$\frac{1}{4}$ Pint Oil Reservoir	1.00
Arbolejo	2 SL.	Filling Plug	.20
Arbolete	3 SL.	Union Nut	.15
Arbolista	4 SL.	Lead Union Gasket, per dozen	.15
Arboreo	5 SL.	Bent Condensing Pipe	.25
Arboriza	6 SL.	and 7 SL. Regulating Valve	.25
Arbot	8 SL.	Drain Cock Body Plug	.15
Arbusto	9 SL.	Drain Cock	.15
Arca	10 SL.	Sight Feed Tube	.20
Arcabu	11 SL.	No. 2 Gaskets for Glass, per dozen	.15
Arcacil	12 SL.	No. 2 Sight Feed Glasses, per dozen	.60
Arcada	13 SL.	Sight Feed Nut	.15
Arcaduz	15 SL.	Oil Outlet Tube	.10

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Case Oil Pump



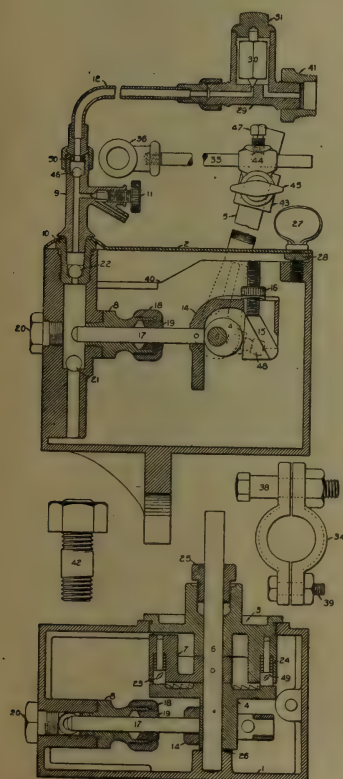
This pump is the result of extensive experimenting to secure a positive force feed system particularly adapted to overcome all difficulties of properly lubricating a traction engine. The simplicity of the pump at once appeals to engineers and mechanics. It is more easily attached and operated than the steam lubricator, or any oil cup or device on the market, and when once adjusted is always ready for use. When the engine starts lubrication begins; when it stops lubrication ceases. Motion is obtained from the valve stem, eccentric rod or rocker arm. Temperature has no effect on either pump or valve, so that the required amount of oil is supplied under any condition of weather. It gives perfect lubrication, which prolongs the life of the engine, and at the same time it effects a saving of from 30 to 50 per cent. of the oil. Improper lubrication always means considerable annoyance, and is apt to lead to expensive delays and repairs. No cut cylinders or valves where the Case pump is used.

The reservoir or box of pint size, 3 in x 4 in. x 5 in., the only part exposed being the ratchet arm. All other parts work in the oil itself. The reservoir is fitted with a screen to strain the oil before entering. The cover is tightly fitted and locked by a thumb screw. By opening the valve of "bleeder test" the amount of feed can be readily ascertained at any time. This pump can be attached to engines of any power. We furnish all fittings to attach

pump to our present style of engine, including connecting rod and gravity check valve.
A clamp for eccentric rod or valve stem will be furnished when engine is not fitted with rocker arm.
Cipher.
Sersac.....Price each\$7.50
Cipher.....Price each\$9.00

Case Oil Pump Repairs.

No. Part.	Description.	Price.
1.	Body (state for pt. or qt.).....	\$1.00
2.	Cover (state for pt. or qt.).....	.20
3.	Ratchet head .....	.40
4.	Ratchet and cam (state for pt. or qt.).....	.70
5.	Ratchet lever .....	.30
6.	Driving shaft (state for pt. or qt.).....	.10
7.	Driving pawl .....	.20
8.	Pump barrel .....	.30
9.	Discharge connection .....	.30
10.	Discharge valve casting .....	.20
11.	Test screw .....	.10
12.	Tube, complete .....	.50
14.	Yoke .....	.20
15.	Wedge in yoke .....	.20
16.	Nut .....	.10
17.	Plunger .....	.20
18.	Gland nut .....	.20
19.	Gland .....	.10
20.	Plug and screw .....	.10
21.	Suction valve, $\frac{7}{8}$ in. ....	.10
22.	Discharge valve, $\frac{1}{4}$ in. ....	.10
23.	Driving and holding pawl.....	.10
24.	Pawl spring .....	.10
25.	Packing nut .....	.10
26.	Collar, $\frac{3}{8}$ in. ....	.10
27.	Thumb screw for pint cover.....	.20
28.	Thumb screw nut .....	.10
29.	Body	
30.	Check { Check valve, complete.....	1.00
31.	Cap	
34.	Driving clamp .....	.10
35.	Connecting rod	
36.	Connecting rod head { .....	.30
38.	Connecting rod bolt .....	.20
39.	Clamp bolt .....	.10
40.	Strainer (state for pt. or qt.).....	.20
41.	Bushing, $\frac{1}{2}$ in. x $\frac{1}{4}$ in. ....	.10
42.	Stud and nut.....	.15
43.	Head on No. 5.....	.10
44.	Head on No. 43.....	.20
45.	Thumb screw for No. 43.....	.10
46.	Discharge valve, $\frac{3}{8}$ in. ....	.10
47.	Set screw for No. 44, $\frac{1}{4}$ in. x $\frac{3}{8}$ in.....	.05
48.	Set screw for No. 5, $\frac{1}{4}$ in. x $\frac{1}{2}$ in.....	.05
49.	Cotter pin for No. 23.....	.01
50.	Washer for No. 9.....	.10
51.	Filler cap, qt. ....	.25
52.	Thumb screw for qt. cover.....	.20



Penberthy Injectors.



Cipher.	Pipe Connection.	Proper size for	Price.
Gomaze	Style AA, $\frac{1}{2}$ in., weight 3 lbs.,	4 to 8 H. P. engine.....	\$ 6.50
Gelatinans	Style B, $\frac{3}{4}$ in., weight 4 lbs.,	8 to 12 H. P. engine.....	8.00
Gelatinize	Style BB, $\frac{3}{4}$ in., weight 4 lbs.,	15 to 25 H. P. engine.....	9.50
Gomose	Style CC, 1 in.,	25 to 35 H. P. engine.....	20.00
Gomort	Style D, $1\frac{1}{4}$ in., weight 9 lbs.,	35 to 50 H. P. engine.....	22.00

Automatic Qualities.—The "Penberthy" Injector is a perfectly automatic machine. By this we mean that when the Injector is working and forcing water to the boiler, if the current of water be suddenly broken by any cause, such as a sudden jar or jolt in the case of a traction engine, the Injector will pick up the water and again establish the current to the boiler automatically, i. e., without the manipulation of a single valve or the least attention from an attendant. It is this quality which has led to its adoption by us.

Valve Lining.—Should valve become coated with lime, or become rough, take off cap "Z" and with a screw-driver turn valve "P" back and forth, which will grind it to a seat. A little flour emery on the under side of valve will be of great advantage.

Penberthy Repairs.

Give Size When Ordering.

Cipher.	Size Injector.	AA.	B or BB.	Cor CC.	D.
Argel	N. Overflow hinge	\$0.10	\$0.15	\$0.15	\$0.15
Argema	O. Plug .....	.80	1.00	1.25	1.50
Argana	P. Overflow valve .....	.50	.60	.75	.90
Argad	R. Steam jet .....	.35	.45	.55	.65
Argado	S. Suction .....	.35	.45	.55	.65
Argamasa	V. Tail pipe .....	.30	.40	.50	.60
Argam	X. Coupling nut .....	.30	.40	.50	.60
Argalla	Y. Delivery jet	1.50	2.00	2.50	3.00
Argamu	Z. Overflow cap .....	.40	.50	.60	.70

Penberthy XL-96 Ejector or Steam Jet Pump.

Lifts 20 feet on 25 pounds steam and over. Separate couplings. Interchangeable parts.

We quote from the manufacturers' catalogue, as follows:

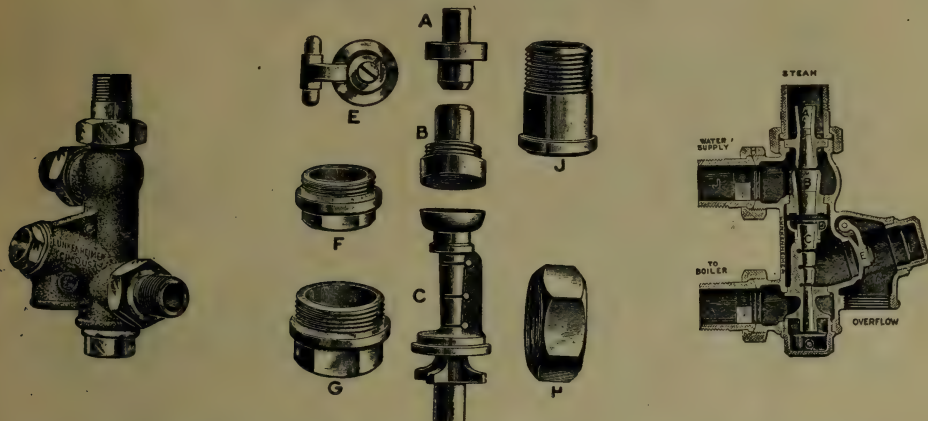
"It would be difficult to enumerate all the uses to which our Jet Pump is adapted, but when we say that **anything and everything** in the nature of a liquid (if not too thick), can be transported from one level to another or horizontally almost any distance, we have about covered the ground."



SIZE NUMBER.	2	3	4	5
Pipe Connections, Steam.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Pipe Connections, Suction and Delivery.....	$\frac{3}{4}$	1	$1\frac{1}{4}$	2
Capacity per hour, 40 to 65 lbs. steam, 3 ft. lift.....	500	840	1,350	3,500
Capacity per hour, 20 to 40 lbs. and 65 to 100 lbs.....	450	700	1,300	3,000
Capacity per hour, 50 ft. Elevation, 40 to 65 lbs., 1 ft. lift.....	250	420	650	1,750
Capacity per hour, 25 ft. Elevation, 40 to 65 lbs., 1 ft. lift.....	375	625	950	2,600
Gelose, price each.....	\$3.00			
Gemear		\$4.00		
Gelote			\$5.50	
Gelovis				\$8.00

Above are Cash with Order Prices. Add 10 per cent. on time sales.

The Lunkenheimer Automatic Injector.



The Lunkenheimer Automatic Injector is a simple, durable and efficient boiler feeder, not liable to get out of order, and is fully guaranteed in every particular.

It will satisfy the most exacting engineer, as it will be found to be automatic under all ordinary conditions, and can be relied upon to restart instantly after a temporary interruption of either the steam or water supply. It has full capacity at higher steam pressure than others. It is not affected to any extent by varying steam pressures, and the maximum amount of water delivered is capable of being graded over 50 per cent.

Cipher.	Number.	Weight.	Pipe Connections.	Proper Size for	Price.
Acedia.	3	7½ lbs.	¾ inch.	9 to 12 H. P. Engine.	\$7.00
Acedo.	3½	7½ lbs.	¾ inch.	12 to 25 H. P. Engine.	8.00

Lunkenheimer Repairs.

Give Size of Injector when ordering.

Cipher.	Name.	Size 3 or 3½.
Aria	Steam Tube, each.....	\$0.55
Aribar	Water-lifting or Suction Tube, each.....	.55
Aricar	Combining and Delivery Tube, each.....	2.50
Aries	Overflow Valve and Pin, each.....	.90
Arieta	Overflow Cap, each.....	.60
Arijo	Delivery Cap, each.....	1.25
	Union Ring, each.....	.50
	Union Tailpiece, each.....	.50
	Tube Wrench, each.....	.60
	Funnel for Overflow, each.....	1.50

Babbitt Metal.



"Case Special" babbitt metal is used by us for separator cylinder shaft boxes and main or crank shaft engine boxes. "C" is used by us for all other boxes or journals on our machines. This is the cheapest grade we use in the construction of Case machinery, so quote nothing cheaper.

Cipher.		Cipher.
Abete.....	Case Special.....Per lb., \$0.40	Abeto....."C" Grade.....Per lb., \$0.25

Babbitt Ladles.



Cipher.	
Abrost.....	Drop forged of extra heavy mild steel, 5 inch bowl.....Each, \$0.76
Abilever.....	Drop forged of extra heavy mild steel, 6 inch bowl.....Each, .80

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Lifting Jacks.

Style "A."

Weiler's Case Hardened Compound Lever, reversible tripping jack.

Style "H."

Weiler's Single Lever, double-acting reversible tripping jack.

Both jacks made of the best malleable iron and steel pins.

	Style H.	Style A.
Height when rack is down.	14 inches.	20 inches.
Rise of Rack.....	10 inches.	15 inches.
Capacity.....	3 tons.	6 tons.
Weight.....	30 lbs.	50 lbs.

Cipher.		Price.
Adra....	Style A, with Steel Handle...	\$9.50
Adrede....	Style H, with Steel Handle...	6.50

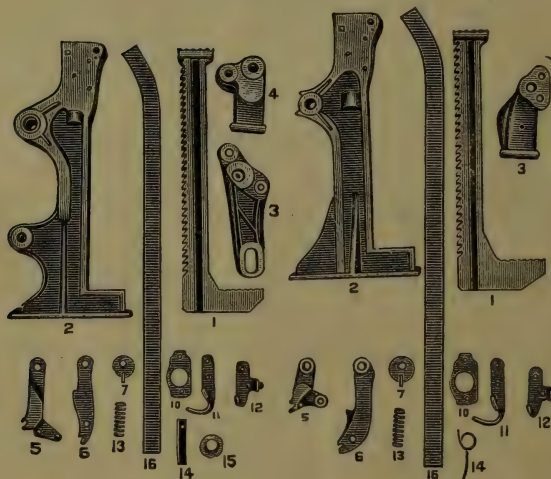


Style "A."



Style "H."

Parts of Jacks.



Style "A."

Style "H."

	1	2	3	5	6	7	10	11	12	13	14	16		
H	\$1.75	2.25	.50	.50	.50	.25	.25	.25	.25	.15	.15	.75		
	1	2	3	4	5	6	7	10	11	12	13	15	16	17
A	\$3.00	4.25	.75	.75	.75	.75	.25	.25	.25	.25	.15	.20	.75	.15

Repairs For Style "H" Jacks.

1—Rack. 2—Frame. 3—Lever Socket. 5—Lower Pawl. 6—Upper Pawl. 7, 10, 11, 12—Reverse Parts. 13—Coil Spring. 14—Snap Spring. 16—Lever.

Find letter stamped on side of frame and use this letter in ordering repair part, as H1 means rack for H jack. We cannot send proper part unless we know the letter on frame.

Repairs For Style "A" Jacks.

1—Rack. 2—Frame. 3—Compound Lever. 4—Lever Socket. 5—Lower Pawl. 6—Upper Pawl. 7, 10, 11, 12—Reverse Parts. 13—Coil Spring. 15—Bushing. 16—Lever. 17—Flat Spring.

Jack Screws.

We offer this style of Jack Screw made from selected stock and with a machine-steel screw, at the following prices:

Cipher.	Height of Stand.	Height Over All.	Diam. of Screw.	Price Each.
Adrenor.	8 inches.	12 inches.	1½ inches.	\$2.75
Adrequa.	14 inches.	18 inches.	2 inches.	4.00

Above are Cash with Order Prices. Add 10 per cent. on time sales.



Case Roller Tube Expander.

This Expander has a solid body and is made with great care from the best material. It will answer for any thickness of tube sheet, which makes it one of the most convenient Expanders manufactured for threshermen's use.

Cipher.	*Size.
Adonde	1 $\frac{3}{4}$ inches.
Adonico	2 inches.
Adopcion	2 $\frac{1}{2}$ inches.

*Outside diameter of tubes.

Weight.	Price.
3 $\frac{1}{2}$ lbs.	\$3.75
5 lbs.	4.00
8 lbs.	5.50

The Prosser Spring Tube Expander.



We are prepared to furnish this style Expander for $\frac{3}{8}$ inch flue sheet only.

Cipher.	*Size.	Weight.	Price.
Adorant	1 $\frac{1}{2}$ inches.	1 $\frac{1}{2}$ lbs.	\$5.00
Ador	1 $\frac{3}{4}$ inches.	2 lbs.	5.00
Adora	2 inches.	3 lbs.	5.50
Adorar	2 $\frac{1}{2}$ inches.	5 lbs.	6.00
Adorate	3 inches.	7 lbs.	9.00

*Outside diameter of tubes.

Case Special Tube Scraper.

The only double-headed steel Flue Scraper on the market. Cleaner can be easily adjusted while in flue to the full extent of the wearing range of the scraping knives. It will outlast two of any other make scraper.

Cipher.	Tube Diam.	Thread for Rod.	Weight.	Price.
Aduar	1 $\frac{1}{4}$ inches.	$\frac{1}{4}$ inch.	11 oz.	\$0.90
Aducar	2 inches.	$\frac{1}{4}$ inch.	1 $\frac{1}{2}$ lbs.	.95
Aductor	2 $\frac{1}{2}$ inches.	$\frac{3}{8}$ inch.	1 $\frac{3}{4}$ lbs.	1.15
Adorft	3 inches.	$\frac{3}{8}$ inch.	2 lbs.	1.30



Perfection Flue Cleaner.



This Flue Cleaner is built on strictly mechanical lines, out of the best material. It is intended to supply the wants of those threshermen who desire the **best**, although somewhat more expensive than the ordinary cleaner. The design of the Cutters is such that they are always in direct contact with the tubes and will override any imperfections of the tubes. The knives are so made that they are always very sharp and the tendency is to work deeper all the time. The heads, or ends, are drop-forged steel.

Caution.—Always be sure and run rod through large hole in rear end of Cleaner and screw into the threaded end.

Cipher.	
Abonce	1 $\frac{3}{4}$ inches, weight $\frac{1}{4}$ lb., each.....\$2.00
Abonding	2 inches, weight $\frac{1}{2}$ lb., each.....2.00
Aboop	2 $\frac{1}{2}$ inches, weight $\frac{3}{4}$ lb., each.....2.50

Pocket Levels.



The level illustrated herewith is not the ordinary cheap kind usually found on the market, but a substantially made and very accurate level. It is six inches in length, nickel plated and with proved level glass. Every thresherman should have one.
Gagent.....Price.....Each, \$1.00

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Tin Oil Cans.

From the illustration you will observe the general design of these cans. They are substantially made with solid connection, and for threshermen who desire an inexpensive can, we believe our prices will be found very attractive.

	Size.	Price.
Gabells	1 pt., each.....	\$0.40
Gabbolt	1 qt., each.....	.50

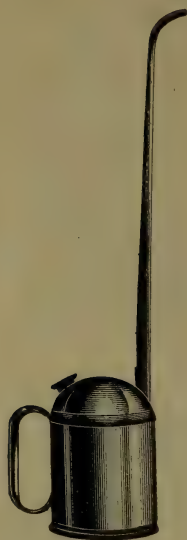
Pump Oil Can.

Our Pump Oil Can is especially designed for machinery oiling, and all places not easily reached with a common oiler.

Delivers oil in any position. Simple construction; will not get out of order.

Price list:

One pint size, with 12 in. Spout, each..	\$1.00
One quart size, with 16 in. Spout, each..	1.25



Speed Indicator.

This is the Tabor Stop Motion Indicator which we consider the best on the market for the price. Every thresherman should have one and know he is running his machinery at proper speed.

Cipher.

AceroWeight 4 oz., price each.....\$1.15

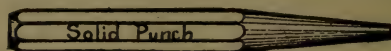
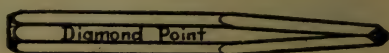
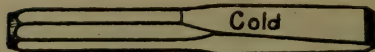
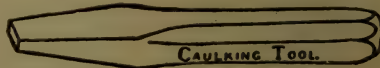
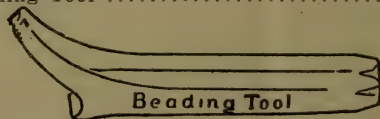
If sent by mail add 5 cents for postage.



Boiler Tools.

The tools illustrated herewith measure about 9 inches in length, are hand-forged and made from specially prepared steel.

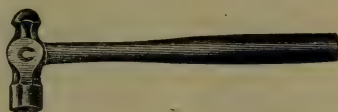
Price each\$0.50
Beading ToolEach, .75



Above are Cash with Order Prices. Add 10 per cent. on time sales.

Machinists' Ball Pein Hammer.

Cast Steel, Nicely Finished.



Acaba	.....1 1/4 lbs., with handle.....	each, \$0.90
Acabel	.....1 3/4 lbs., with handle.....	each, 1.15

Machinists' Hand Taps.



Diameter, inches	..... 5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/2
Threads to inch	..... 18	16	14	12	12	11	12	10	12	10	12	9	9	9
Price	.....\$0.35	.40	.45	.55	.60	.65	.80	.90	1.05	1.25				

Pipe Taps.



Diameter, inches	.... 1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Threads to inch	.... 27	18	18	14	14	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
Price	.....\$0.40	.45	.60	.70	1.00	1.25	1.40	1.75	2.25	5.25

Square Shank Drills.

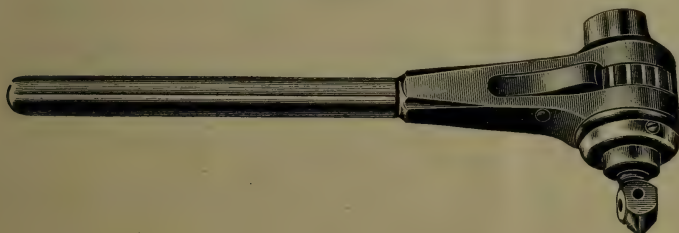
For Ratchets.



These drills have shanks 5/8 in. x 3/8 in. and 1 1/2 inches long.

Diameter	..... 1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/2
Price, each	.....\$1.00	1.15	1.25	1.30	1.35	1.40	1.50	1.55	1.60	1.70	1.90	2.25	2.50	2.75	

Ratchets.



The ratchet illustrated herewith is particularly adapted for use around heavy machinery. It will drive a drill in any position where it is possible to move the handle. For this reason it is the most useful where the ordinary ratchet is useless.

Abrotus.....	Price, each\$6.50
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Above are Cash with Order Prices. Add 10 per cent. on time sales.



The Wonder Drill.

With Screw Feed and Chain Attachment.

This drill is equipped with a universal chuck and will hold $\frac{1}{8}$ to $\frac{1}{4}$ inch round shank and bit stock drills. A three foot chain is fastened at one end of the feed and loops into the other end, thus holding the drill to articles of various sizes. Operated with any ordinary bit brace. Equipped with ball bearings, it cuts very easily and makes a very simple yet useful article for your tool grip.

Abdist.....Price, each\$1.75

Ratchet Bit Braces.

Equipped with ball bearing head, steel jaws, and accurately fitted socket; strong and substantially made, with nickel plated finish.

Abditos....Price, with 10 inch sweep, each....\$1.60



Bit Stock Drills for Metal or Wood.



Size	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$1\frac{1}{8}$	$\frac{3}{4}$	$1\frac{1}{2}$	$\frac{7}{8}$	$1\frac{1}{4}$	1
Price	\$0.25	.35	.40	.45	.60	.80	.90	1.05	1.10	1.20	1.35	1.50	1.65

Hack Saw Frames.

The Starrett brand of tools is too well known to require any description. We list herewith a frame equipped for 10 in. blades, so arranged that by simply turning the handle, the saw may be set to cut in either of four directions. The frame is polished and nickel plated. We only list the 10 inch size as that is more generally used than any other.

Abdist.....Price, with one blade, each.....\$1.10

Extra blades, each15

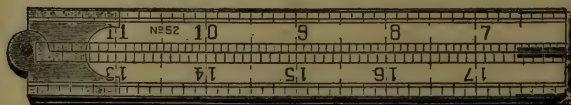


Solid Steel Try Squares.

An article of this kind is indispensable around machinery where belting is used. A square cut assists very materially in making a substantial splice. Our six inch square is just the right size for this work.

Abdon.....Price, each\$0.40

Pocket Rules.



A genuine boxwood rule with arch joint and brass bound, one inch wide and marked 8ths, 10ths, 12ths and 16ths. Not the cheapest rule, but one that will give good service at a reasonable price.

Abdostic....Price, each\$0.45

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Stay Bolts.



Stay Bolts are Furnished by Us in the Following Sizes.

Gablous	$\frac{7}{8}$ inch, 12 thread, length 24 inches.....	each, \$1.25
Gacer	$\frac{1}{2}$ inch, 12 thread, length 24 inches.....	each, 1.25
Gaddow	1 inch, 12 thread, length 24 inches.....	each, 1.25

These are the sizes generally used in the construction of farm engines, 24 inch lengths being furnished as the most convenient length to handle, as they can be cut off to the required length after being used and avoid any unnecessary waste of material.

Stay-Bolt Taps.



Gadel	$\frac{7}{8}$ inch, 12 thread, length 24 inches.....	each, \$ 9.00
Gafan	$\frac{1}{2}$ inch, 12 thread, length 24 inches.....	each, 10.25
Gaftin	1 inch, 12 thread, length 24 inches.....	each, 10.25

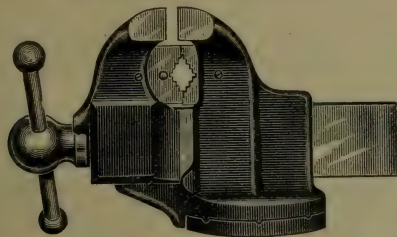
Pipe Vises.

From the illustration will be observed the simplicity of this style of vise; being made from malleable iron, it is light, yet very durable. For the price we believe it to be the best on the market.

Acaces.....We furnish this vise, holding pipe, $\frac{1}{2}$ inch to 2 inch diameter, for only..... 2.25



Combination Vises.



We illustrate herewith a strong, heavy vise, made from the best grade of iron. The jaws are milled from solid tool steel bars and tempered in oil to give toughness. The front single pipe jaw is reversible, so that when it is worn, it can be reversed and have a new front jaw. The vise is equipped with a swivel base which makes it very convenient, especially for cutting pipe. The width of the jaw is $2\frac{1}{2}$ inches. Pipe capacity from $\frac{1}{2}$ to 2 inches. Weight 50 pounds.

Abdote.....Price, each..... \$11.00

Machinists' Improved Three-Wheel Pipe Cutter.

Designed especially to meet the requirements of the trade for a simple, yet durable Cutter at the minimum price.

The wheels are made from the best Tool Steel, carefully machined and hardened in oil to give toughness.

Abducens.....No. 1 cuts pipe $\frac{1}{2}$ to 1 inch..

.....each, \$2.00

Extra Wheels, each, .25



Pipe Stock and Dies.

For Threading Wrought Iron or Steel Pipe.

These stocks are manufactured from the best grades of Malleable Iron, and being equipped with removable handles makes them a very convenient and serviceable article.

The Dies are made from a special grade of Steel suitable for the purpose.

Abducin....Price for No. 1 Stock with $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ $\frac{3}{4}$ and 1 inch Dies.....\$5.00

Extra Dies, each, 1.25



Above are Cash with Order Prices. Add 10 per cent. on time sales.

Combination Wrench.

Bemis & Call H. & D. Co. These wrenches have all the good qualities of gas pipe wrenches as well as being a first class nut wrench. The material used in the construction of these wrenches is the very best. We handle two sizes of this style wrench; 12 inch for $\frac{1}{4}$ to $1\frac{1}{2}$ inch pipe and 15 inch for $\frac{1}{4}$ to 2 inch pipe.



Cipher.

Graft	12 inch; weight 3 lbs.....	\$2.00
Abomats	15 inch; weight 4 lbs.....	2.60

Improved Pipe Wrench.

The Wrench illustrated herewith contains all of the desirable features of the standard makes of Pipe Wrenches and at the same time includes many improvements over same.

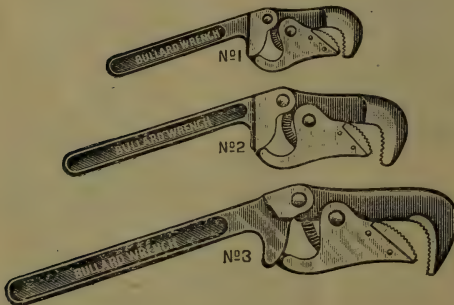
The wrench consists of a one-piece, forged steel bar slide with serrated steel jaw, secured by a pin and operating nut. In the construction of the Improved Pipe Wrench, strength and durability have received first consideration. It will not crush, slip, or lock on the pipe.



Cipher.

Abomede	18 inches, weight 5 lbs., each.....	\$2.00
Abomint	24 inches, weight 8 $\frac{1}{4}$ lbs., each.....	2.60

Automatic Wrenches.



These wrenches operate on an entirely different principle from that of any other wrench. The jaws grip automatically without adjustment and the power is transmitted tangentially to the pipe. All the power goes to turn the pipe. They are drop forged of highest grade steel, and the principle of construction makes the wrench the **strongest possible**. It must be seen to be appreciated.

The following sizes are carried in stock:

Abductip	No. 1, length 10 inches.	
	Each	\$1.50
Abguss	No. 2, length 12 inches.	
	Each	1.80
Abhorat	No. 3, length 18 inches.	
	Each	2.40

Case Pocket Wrench.

Manufactured from special steel, forged and tempered in oil.

Abruser.....7 inch, nickel plated, each.....\$0.55



Monkey Wrench.



Cipher.

Adobo.....	10 inch, wood handle, each.....	\$0.40
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Above are Cash with Order Prices. Add 10 per cent. on time sales.

The Case Adjustable Ratchet Cylinder Wrench.

Every thresherman realizes the necessity of having a good cylinder wrench with his threshing outfit. It saves valuable time in the busy season. This is the only ratchet cylinder wrench on the market with an **adjustable head**. A feature that permits its use in places where other wrenches cannot be used. In simplicity of construction, strength and durability it cannot be excelled.

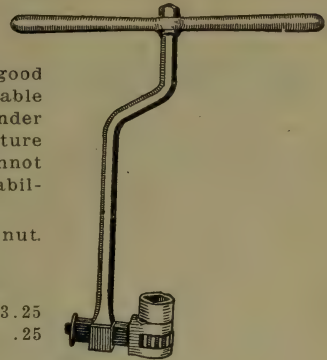
State size of chuck wanted, also for square or hexagon nut.

Cipher.

Aborate...The price for this wrench with one chuck is

only\$3.25

Extra chucks, each......25



Combination Pliers.

Gas Plier, Wire Cutter, Wrench and Screw Driver Combined.



Drop forged from best tool steel and finished first-class in every respect. A very convenient and useful tool for threshermen. You cannot afford to be without one. Every pair guaranteed.

Cipher.

Aborun....6 inch, nickel plated, each.....\$1.00

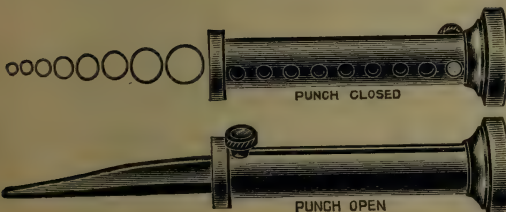
Files.

We believe our files are equal to any on the market. They are made from crucible steel, and carefully tempered. Only the following sizes are carried in stock by us:



	Mill Bastard.	Half Round Bastard.	Round Bastard.	Flat Bastard.
8 inch	\$0.20	\$0.25	\$0.20	\$0.20
12 inch .....	.25	.40	.25	.35
14 inch .....	.35	.55	.35	.45

Rogers' Belt Punch.



Cuts any size hole from $\frac{1}{8}$ to $\frac{3}{8}$ inch. Only three inches in length, it can be carried in the vest pocket. It will be appreciated by anyone working around belts, harnesses, etc.

To use the punch, extend the blade to the size hole desired, push straight through leather up to handle, turn one-half around and take out core. Once used you will never be without one.

Cipher.

AbhosePrice, each.....\$0.70

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Straw Forks.



This Straw Fork is manufactured specially for us and is without doubt the most convenient fork on the market for use with straw burning engines.

Cipher.

Adjunta.....Weight 4 lbs., price each.....\$1.35

Furnace Scoops.



Owing to the peculiar construction of this scoop it is especially adapted for use with traction and portable engines having narrow fire doors.

Cipher.

Gabast.....Size, 11 inches wide, 15 inches long, each.....\$1.15

Crucible Steel Shovels.

We believe our Hollow Back pattern shovels made from crucible steel are superior in construction, quality and finish to any others on the market. The handles are made from second growth white ash.

Abhuve....Price, black finish, each.....\$1.45



Spades.



Hollow back, square points, D handle, made from crucible steel and full polished.

Abiban.....Price, each\$1.55

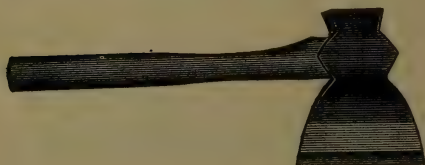
Half Hatchets.

As per illustration, made of solid cast steel, polished and bronzed.

Abick.....Price, each\$0.85



Broad Hatchets.

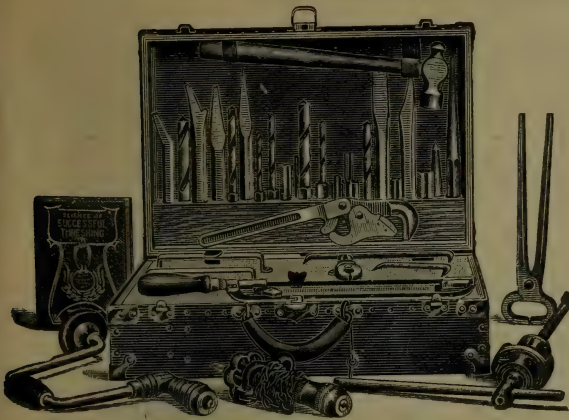


These hatchets are made from extra cast steel, polished and bronzed. Width of bit 5 in.

Abidap.....Price, each\$1.10

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Expert's Tool Grip and Tools.



We illustrate herewith an assortment of expert's tools, arranged conveniently in a strong and substantial grip, which we believe will appeal very strongly to traction engineers and workmen around machinery in general. The tools are first class in every respect and carefully selected to meet the requirements of ordinary work. The grip is made from an extra heavy quality of vulcanized fibre, and all trimmings are of brass, which not only makes a very handsome grip, but one that will stand the hard usage to which they are generally subjected.

Contents of Grip.

- | | |
|-------------------------------|-------------------------------------|
| 1 1 1/4 lb. ball pein hammer. | 1 3/4 inch pipe tap. |
| 1 No. 2 Bullard wrench. | 1 1/2 inch hand tap. |
| 1 2 inch roller expander. | 1 3/8 inch hand tap. |
| 1 set side crank trams. | 1 1/4 inch bit stock drill. |
| 1 round nose chisel. | 1 5/16 inch bit stock drill. |
| 1 beading tool. | 1 3/8 inch bit stock drill. |
| 1 caulking tool. | 1 7/8 inch bit stock drill. |
| 1 cold chisel | 1 1/2 inch bit stock drill. |
| 1 1/2 inch cape chisel. | 1 5/8 inch bit stock drill. |
| 1 3/8 inch cape chisel. | 1 3/4 inch twist drill. |
| 1 center punch. | 1 ratchet brace. |
| 1 1/2 inch drift pin. | 1 10 inch hack saw and blade. |
| 1 key pulling pliers. | 1 Wonder chain drill. |
| 1 1/4 inch pipe tap. | 1 pair 6 inch nickel plated pliers. |
| 1 3/8 inch pipe tap. | 1 pair snip shears, 3 inch cut. |
| 1 1/2 inch pipe tap. | 1 Science of Successful Threshing. |

Abilabis.....Price of grip complete with tools.....\$35.00

Agricultural Lever Forge.



These forges have been on the market for many years, and are intended for all kinds of light repair work. They are especially adapted for farmers and threshermen and save much valuable time during the busy season. The hearth is 18 inches in diameter, and the fan 8 inches. They are substantial and well built and equipped with a wind shield. Buy a forge and be your own blacksmith, thus saving time and money.

Abilast.....Price, each\$14.00

* Note. Purchasers of these goods from our branch at Portland, Spokane, Oakland, Lake Charles, Amarillo, Dallas or Denver will be charged freight from Racine in addition to these prices.

Above are Cash with Order Prices. Add 10 per cent. on time sales.

Snip Shears.



A handy article for workmen in sheet iron or metal. Drop forged with steel laid blades. They can be relied upon for durability, quality and finish. There are cast iron shears on the market at cheaper prices, but we would not recommend them to stand the hard usage to which such articles are subjected. Our drop forged shear is about 12 inches in length and has a 3 inch cut.

Abhoripe.....Price, each\$1.65

, Steel Cable Chain.



This chain is made of the best mild steel and constructed of short, straight links. The sizes given in-

dicat the diameter of rods from which chain is made and not the size of link.

Size	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{1}{2}$
Price per foot.....	\$0.08	.09	.11	.14

Drop Forged, Connecting or Repair Link.



These links are made from a fine grade of forging steel, drop forged, solid and without weld. Made to withstand the same strain as a chain with the same size links. All links have been subjected to Government test, and show a very high tensile strength. From the illustration it can readily be observed how simple a matter it is to repair a chain. No lost time in finding a blacksmith; attach the repair link, rivet together and the job is done. Carry a supply in your tool box and their value will soon be appreciated.

Size $\frac{3}{8}$ inch, each.....	.....\$0.15
Size $\frac{1}{2}$ inch, each.....	......15
Size $\frac{7}{8}$ inch, each.....	......15
Size $\frac{1}{2}$ inch, each.....	......20

Address All Orders to the

J. I. CASE THRESHING MACHINE CO.

Toronto, Ont., Winnipeg, Man.,
Regina, Sask., or Calgary, Alta.

AND THEY WILL RECEIVE PROMPT ATTENTION

Above are Cash with Order Prices. Add 10 per cent. on time sales.

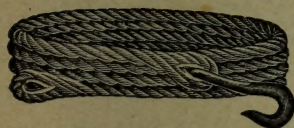
Wire Hoisting Rope.



This rope is made expressly for light hoisting and threshing purposes. It has hemp centers and six strands of nineteen wires each; for this reason is very pliable and well adapted to meet the requirements of the Threshermen.

Gagort	$\frac{5}{16}$ inches.....	Per foot, \$0.05
Gune	$\frac{3}{8}$ inches.....	Per foot, .06
Gain	$\frac{1}{2}$ inches.....	Per foot, .07

Steel Separator Ropes.



These ropes are made from the best crucible cast steel wire and are composed of six strands (nineteen wires each), hemp center and are fitted with thimbles and hooks as shown in cut.

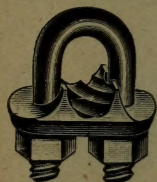
They have proven to be a very useful article for the thresherman in getting out of bad places along the road, or in case of fire, to remove the separator quickly without the use of the drive belt.

Order a rope now and be prepared for such emergencies. Abideen.....Size $\frac{5}{8}$ inch x 60 feet. Price, each..... 12.00

Manila Rope.

We furnish genuine Manila Rope at the following prices:

$\frac{1}{8}$ inch diameter Manila Rope.....	Per foot, \$0.01
$\frac{3}{8}$ inch diameter Manila Rope.....	Per foot, .03
$\frac{1}{2}$ inch diameter Manila Rope.....	Per foot, .04
$\frac{3}{4}$ inch diameter Manila Rope.....	Per foot, .05
1 inch diameter Manila Rope.....	Per foot, .06
$\frac{1}{2}$ inch diameter Sisal Rope.....	Per foot, .01



Wire Rope Clamp.

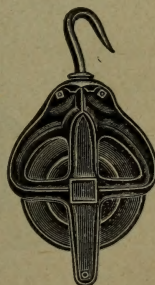
From the illustration you will observe the peculiar shape of these clamps which insures a strong and substantial fastening.

Size.....	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.
Price.....	\$0.20	.30	.35	.40

Case Derrick Pulley Blocks.

Manufactured from best grade of malleable and cast iron. The sheave is $7\frac{1}{2}$ inches in diameter and operates in babbitted bearings. Either 1 inch rope or $\frac{3}{8}$ inch wire cable can be used with this style pulley block.

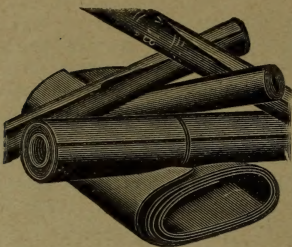
AbidipPrice.....Each, \$3.00



Above are Cash with Order Prices. Add 10 per cent. on time sales.

Packing.

Sheet Rubber.



Only the best quality of sheet rubber should be used in making steam or hot water joints. Cheaper grades always cause considerable annoyance and serious delays. The sheet rubber furnished by us has cloth on both sides of the rubber, and is especially adapted for hand hole gaskets. The cloth covering prevents the rubber from adhering to the sides of the boiler and makes it an easy matter to remove the hand hole plates without destroying the gasket. Price, per lb., 1-16 in. thick.....\$0.25
Price, per lb., 1/8 in. thick.....\$0.25

Hemp Packing.

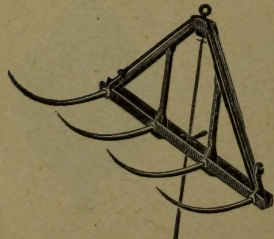


We carry in stock a large amount of the best quality of long fibre Italian Hemp Packing which we are prepared to furnish at the following attractive price:
Price, per lb.....\$0.25

Genuine Rainbow Packin

Packs any kind of steam, air or hot water joint and lasts longer than any other packing in use.

Price, 1-16 in., per lb..... .90
Price, 1/8 in., per lb..... .90



Derrick Fork.

Light, Strong, Durable.

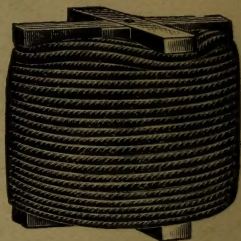
The Frame of these Forks is made of the best hickory, well put together, and with the ends and parts about the tines thoroughly riveted. The construction of the frame, together with the malleable supporting irons through which the tines pass, is such as to give the greatest strength for the weight of the material used.

The Tines are of steel, 3 feet long, 3/4x1 inch; drawn with a regular taper, uniformly bent, polished and firmly secured in the lead. The fork has a stiff Ball and a sure working Latch.

The Head is furnished with a convenient hand hold, plainly shown in cut, which is of great assistance in operating the Fork.

Abidune...4 1/2 Foot Fork, with four tines....each, 10.00

Gum Core Piston Packing.



For packing pistons, valve rods, pumps, etc., we recommend the use of our Oval Gum Core Packing. It will not blow out under the highest pressure. It does not become hard and makes an absolutely tight joint. We use this packing in the construction of our well known Case Engines. We carry in stock the following sizes of this packing:

1/4, 3/8 and 1/2 in. Price, per lb.....\$0.40

Asbestos Wick Packing.



For packing valves, water gauges, gauge cocks, etc., asbestos wick packing is considered far superior to any other packing on the market. If so desired, the strands can be easily separated.
Price, per lb.....\$0.50



Above are Cash with Order Prices. Add 10 per cent. on time sales.

These Prices F. O. B. Racine, Wis.

Machinery Price List for 1907.

Separators

			Wood.	Steel.
36-inch	18x22	Cyl...	\$280.00	\$325.00
42-inch	24x22	Cyl...	305.00	350.00
46-inch	28x22	Cyl...	335.00	375.00
50-inch	28x32	Cyl...	345.00	400.00
54-inch	32x32	Cyl...	380.00	450.00
58-inch	36x32	Cyl...	425.00	500.00
62-inch	40x32	Cyl...	470.00	550.00
66-inch	44x32	Cyl...	515.00	600.00

Feeders Steel \$130.00 to \$190.00
 Weighers, Nos. 1 and 2..... 75.00

Horse Powers

With Equalizers.

6 horse	.....	\$160.00
8 horse	.....	170.00
10 horse	.....	180.00
12 horse	.....	190.00
14 horse	.....	200.00

Case Wind Stackers, Cash.....\$235.00
 Case Wind Stackers, Time..... 250.00

PORTABLE ENGINES.			TRACTION ENGINES.		
Size.	Simple.	Compounded.	Size.	Simple.	Compounded.
6-horse	\$ 475.00	.....	6-horse	.....	.....
9-horse	650.00	\$ 750.00	9-horse	1,150.00	\$1,250.00
12-horse	750.00	850.00	12-horse	1,275.00	1,375.00
15-horse	850.00	950.00	15-horse	1,425.00	1,525.00
20-horse	950.00	1,050.00	20-horse	1,700.00	1,800.00
25-horse	1,050.00	1,150.00	25-horse	2,000.00	.....
32-horse	1,200.00	.....	32-horse	2,600.00	2,100.00

For Straw Burning Attachment including Jacket on Boiler, add \$50 to above prices.

Skid Engines and Boilers

Size.	Skid Boiler.	Skid Engine.	Mounted Boiler.
6-horse.....	\$225	\$400	\$300
9-horse.....	265	540	375
12-horse.....	285	600	435
15-horse.....	310	660	500
20-horse.....	350	750	550
25-horse.....	400	850	600
32-horse.....	450	950	650

Branch Houses

Alberta, Calgary.
 California, Oakland.
 Colorado, Denver.
 Georgia, Atlanta.
 Illinois, Chicago.
 Freeport.
 Peoria.
 Indiana, Indianapolis.
 Iowa, Des Moines.
 Mason City.
 Waterloo.
 Kansas, Wichita.
 Kentucky, Louisville.
 Louisiana, Lake Charles.
 Manitoba, Winnipeg.
 Minnesota, Fergus Falls.
 Mankato.
 Minneapolis.

Michigan, Jackson.
 Missouri, Kansas City.
 St. Louis.
 Nebraska, Lincoln.
 New York, Syracuse.
 North Carolina, Greensboro.
 North Dakota, Bismark.
 Carrington.
 Casselton.
 Cooperstown.
 Devil's Lake.
 Fargo.
 Grand Forks.
 Harvey.
 Hillsboro.
 Minot.
 Park River.
 Wahpeton.

Ohio, Columbus.
 Oklahoma, Oklahoma.
 Ontario, Toronto.
 Oregon, Portland.
 Pennsylvania, Harrisburg.
 Saskatchewan, Regina.
 South America, Buenos Aires.
 South Dakota, Aberdeen.
 Mitchell.
 Watertown.
 Tennessee, Memphis.
 Nashville.
 Texas, Amarillo.
 Dallas.
 Washington, Spokane.
 Wisconsin, Madison.
 Oshkosh.

Home Office and Factory, Racine, Wisconsin.

garden
eat
of any
growth
that
hole
over
there

